



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Weather Shield Manufacturing Inc.
One Weather Shield Plaza
Medford, WI 54451

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "1604" Outswing Alum Clad Wood Doors -LMI

APPROVAL DOCUMENT: Drawing No. **1568 Rev A**, titled "1604 Aluminum Clad Outswing Impact Door", sheets 1 through 15 of 15, dated 04/30/09 and last revised on NOV 02, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Impact Resistant

Limitation:

1. Weather Shield Transom Windows under separate approval. Refer to sheets 6 and 7 of this drawings set, for max frame width, height and applicable design pressure.
2. Maximum O.C. spacing between hinges not to exceed 26".

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises **NOA # 09-0901.09** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 11-1108.12
Expiration Date: March 10, 2015
Approval Date: March 08, 2012
Page 1

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3/19/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # 09-0901.09)

1. Manufacturer's die drawings and sections.
2. Drawing No. **1568 Rev A**, titled "1604 Aluminum Clad Outswing Impact Door", sheets 1 through 15 of 15, dated 04/30/09 and last revised on NOV 02, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

Note: This revision consists of FBC 2010 only.

B. TESTS (transferred from file # 09-0901.09)

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of Wood alum clad doors and Wood doors w/ sidelite and / or transom window, prepared by Stork Twin City Testing, Corp., Test Report s No(s) : **180-7762.1, .2, .3, .4 & .5**, dated 06/10/09, includes addendum letter dated Jan 19, 2010, all signed and sealed by Thomas A. Kolden, P.E.

C. CALCULATIONS

1. Statement letter of compliance to FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated NOV 02, 2011, signed and sealed by Warren W. Schaefer, P.E.
2. Anchor verification calculations dated 08-25-09 and last revised on Jan 12, 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (transferred from file # 09-0901.09)
3. Glazing complies with ASTM E-1300-02 & 2004

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

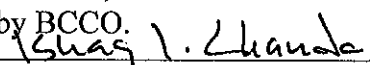
1. Notice of Acceptance No. **11-0325.05** issued to Solutia Inc. for "Saflex clear & color interlayer", expiring on 05/21/16.
2. ICC report ESR-1387 dated FEB 01, 2012, for Microllam LVL, issued to Weyerhaeuser.
3. Reference Expired Notice of Acceptance No. **08-0814.08** issued to Weyerhaeuser. for their "**Microllam Laminated Veneer Lumber (LVL)**"

F. STATEMENTS

1. Statement letter of conformance & "No financial interest, both dated NOV 02, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of compliance of "Microllam LVL" compliance to FBC 2010, dated FEB 20, 2012, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
3. Statement letter dated FEB 16, 2012 issued by PFS Corp for Weyerhaeuser's Microllam LVL product manufacturing plant quality audit program, supplemented by PFS test report #97-45, signed and sealed by J. Robert Nelson, P.E.
4. Lab compliance statements as a part of the above test reports.

G. OTHER

1. This NOA revises NOA # 09-0901.09, expired on March 10, 2015.
2. Test proposal # **07-3820** dated 12/12/07, approved by BCCO.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-1108.12
Expiration Date: March 10, 2015
Approval Date: March 08, 2012

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

RECTANGULAR & EYEBROW FRAME TOP CORNERS: MEMBERS ARE RABBETED, BUTTED & SECURED WITH (3)THREE NO. 8 X 2 1/2" WOOD SCREWS THROUGH THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBER. CORNERS ARE SEALED WITH SILICONE SEALANT.

ROUND TOP FRAME TOP CORNERS: MEMBERS ARE RABBETED, BUTTED, GLUED & SECURED WITH (2)TWO 5.500" X 1.500 X .040" GALVANIZED PLATES THAT RUN ACROSS THE STILE & RAIL INTERSECTION. THE GALVANIZED PLATES ARE SECURED TO THE STILE & RAIL WITH (12)TWELVE NO. 6 X 5/8" PFH SS SCREWS PER PLATE. CORNERS ARE SEALED WITH GLUE.

BOTTOM FRAME CORNERS: MEMBERS ARE RABBETED, BUTTED & SECURED WITH (4)FOUR NO. 8 X 2 1/2" WOOD SCREWS THROUGH THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBER. CORNERS ARE SEALED WITH SILICONE SEALANT.

RECTANGULAR & EYEBROW PANEL TOP CORNERS: MEMBERS ARE BUTTED TOGETHER, JOINED WITH (2)TWO 3/4" X 3" WOOD DOWELS PER CORNER & (1)ONE NO. 8 X 2 1/2" WOOD SCREW THROUGH THE HORIZONTAL MEMBER INTO THE VERTICAL MEMBER. CORNERS ARE SEALED WITH WOOD GLUE THAT SECURES THE DOWELS.

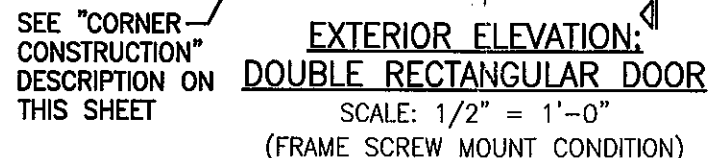
ROUND TOP PANEL TOP CORNERS: MEMBERS ARE BUTTED TOGETHER, JOINED WITH (4)FOUR 3/4" X 3" WOOD DOWELS PER SPRINGLINE. CORNERS ARE SEALED WITH WOOD GLUE THAT SECURES THE DOWELS.

PANEL BOTTOM CORNERS: MEMBERS ARE BUTTED TOGETHER, JOINED WITH (3)THREE 3/4" X 3" WOOD DOWELS PER CORNER & (1)ONE NO. 8 X 2 1/2" WOOD SCREW THROUGH THE HORIZONTAL MEMBER INTO THE VERTICAL MEMBER. CORNERS ARE SEALED WITH WOOD GLUE THAT SECURES THE DOWELS.

RECTANGULAR & EYEBROW FRAME CLADDING CORNERS: CLADDING IS MITERED TOGETHER & JOINED WITH (1)ONE NO. 6 X 1 1/4" PFH SS SCREW PER CORNER. CORNERS ARE SEALED WITH SILICONE SEALANT.

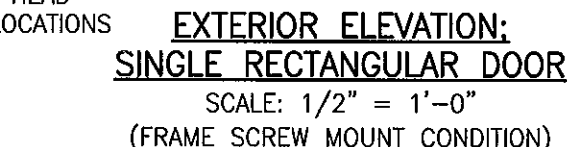
ROUND TOP FRAME CLADDING CORNERS: CONTINUOUS CLADDING IS SECURED TO THE FRAME.

PANEL CLADDING: CLADDING IS SQUARE CUT & SECURED TO THE SASH. CORNERS ARE SEALED WITH SILICONE SEALANT.



— FRAME SCREWS WHERE SHOWN AT HEAD & SILL (4 EACH AT HEAD & SILL). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS.

— HINGE SCREW INTO SUBSTRATE (2 PER HINGE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



FRAME SCREWS
WHERE SHOWN
AT HEAD, SILL &
LOCK SIDE. SEE
"FRAME ANCHOR
REQUIREMENTS
TABLE" ON THIS
SHEET FOR
REQUIREMENTS

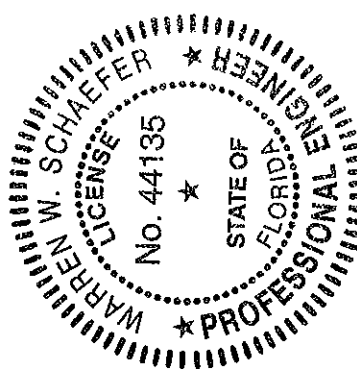
OPENING TYPE (SUBSTRATE)	FRAME/HINGE/STRIKE/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/HINGE/STRIKE SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) C-90 CMU/2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW (STRIKES & ADJUSTABLE HINGE) (1) 1/4" CONCRETE SCREW (FRAME & BUTT HINGE)	1 1/4" (CMU) & 1 1/2" (CONCRETE)	2"
NAILING FIN FASTENERS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"


- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (2) CMU IS APPLICABLE AT SIDES ONLY (NOT APPLICABLE AT HEAD & SILL)
- (3) WOOD BUCKS MAY BE RIPPED DOWN TO 4 1/2" TO MEET JAMB DEPTH

ALLOWABLE DESIGN PRESSURE (SINGLE & DOUBLE OPERABLE DOORS)			
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
DOUBLE DOOR			
73 11/16	99 1/8	65	75
73 11/16	82	65	85
SINGLE DOOR			
37 1/2	99 1/8	65	75
37 1/2	82	65	85

4 PER DOOR
(ALL DOOR CONDITIONS)

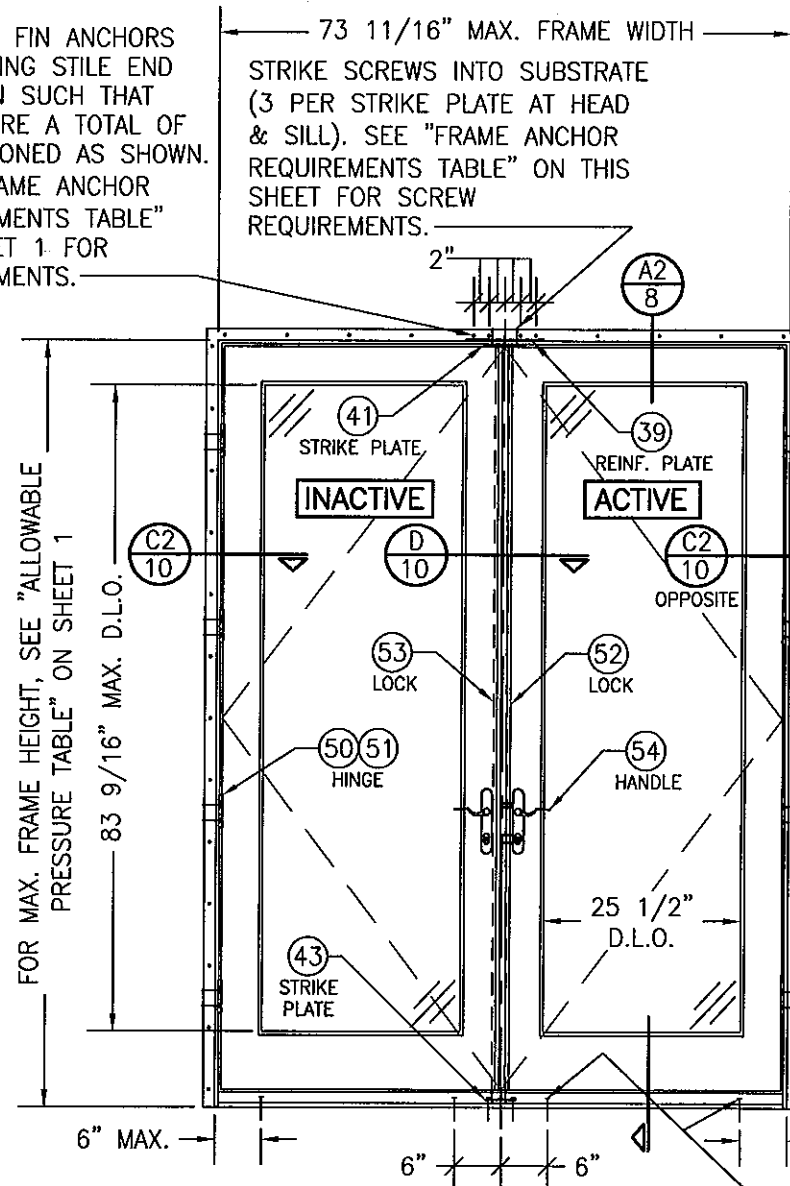
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1108.12
Expiration Date 23/10/2015
by Shugli Chang
Senior Data Project Control



DRAWING NO. 1568	REV. A	SHEET NO. 1 OF 15	CERTIFICATION <div style="text-align: center;">  NOV 02 2011 WARREN W. SCHAEFFER, P.E. P.E. NO. 44135 </div>	DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR		CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
				NO.	REVISION DESCRIPTION	BY	DATE	DRAWN BY:	CHECKED BY:
				A1	UPDATE CONSULTANTS ADDRESS	W.R.M.	11/02/11	W.R.M.	W.W.S.

CLUSTER FIN ANCHORS AT MEETING STILE END LOCATION SUCH THAT THERE ARE A TOTAL OF 4 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

STRIKE SCREWS INTO SUBSTRATE (3 PER STRIKE PLATE AT HEAD & SILL). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



**EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR**

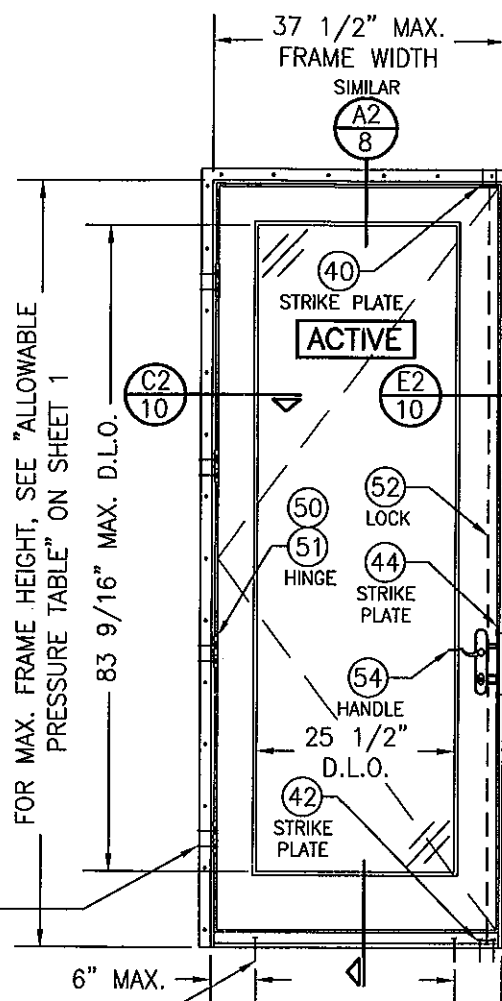
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

FIN FASTENER WITHIN 3" OF CORNERS & 8" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

HINGE SCREW INTO SUBSTRATE (2 PER HINGE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

FRAME SCREWS WHERE SHOWN AT SILL. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

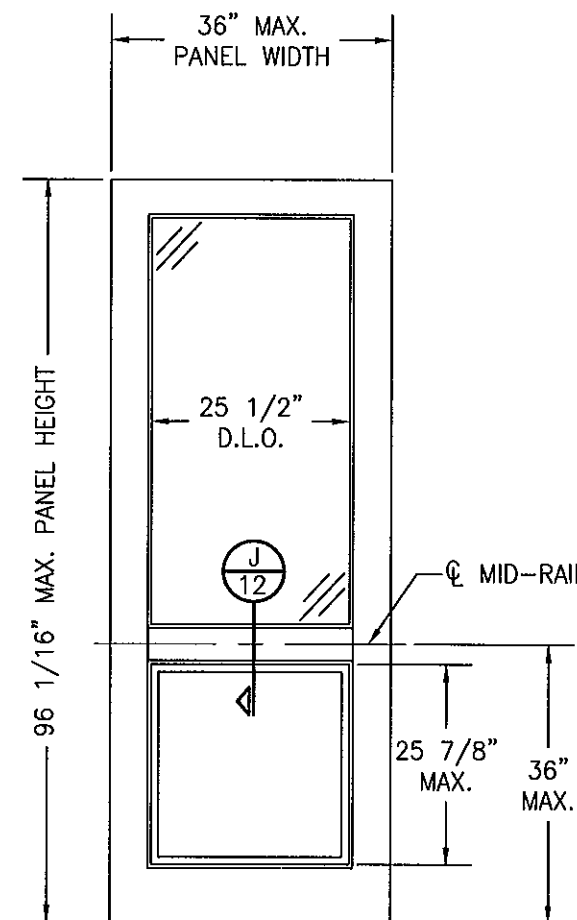


**EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

FIN FASTENER WITHIN 3" OF CORNERS & 8" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

STRIKE SCREWS INTO SUBSTRATE (2 PER HEAD, SILL & SIDE STRIKE PLATE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



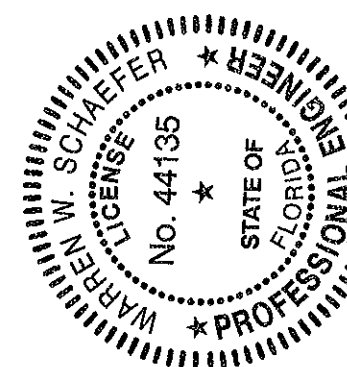
**EXTERIOR ELEVATION:
PARTIAL RAISED PANEL**

SCALE: 1/2" = 1'-0"

PANEL NOTES

- 1) TOP & MID-RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
- 2) MULTIPLE MID-RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
- 3) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

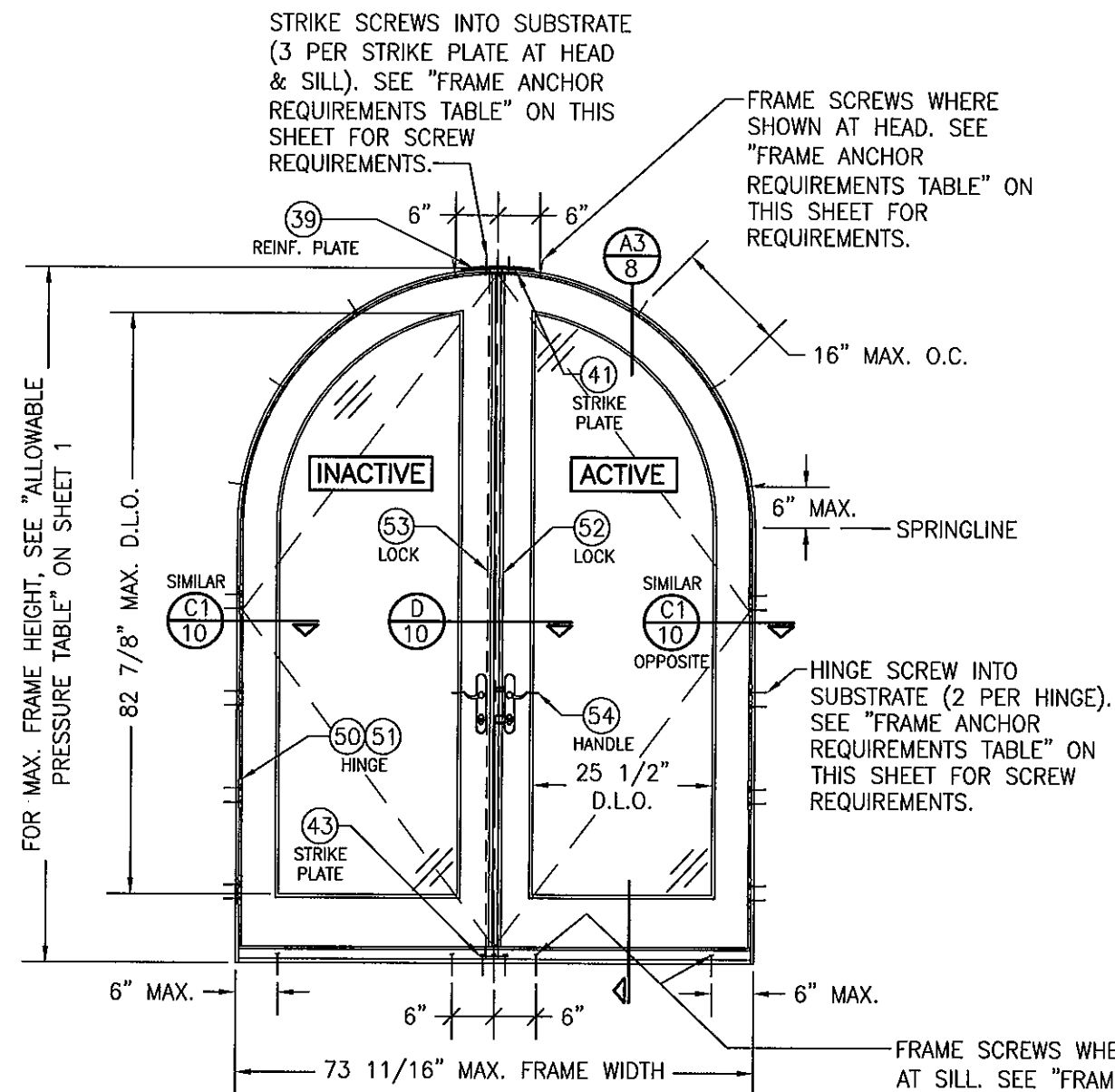
PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 11-1108-1/2
Expiration Date 3/1/01
By Susan Williams
Product Control



DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1-24	DATE:	04/30/09
NO.		REVISION DESCRIPTION	
DATE		BY	

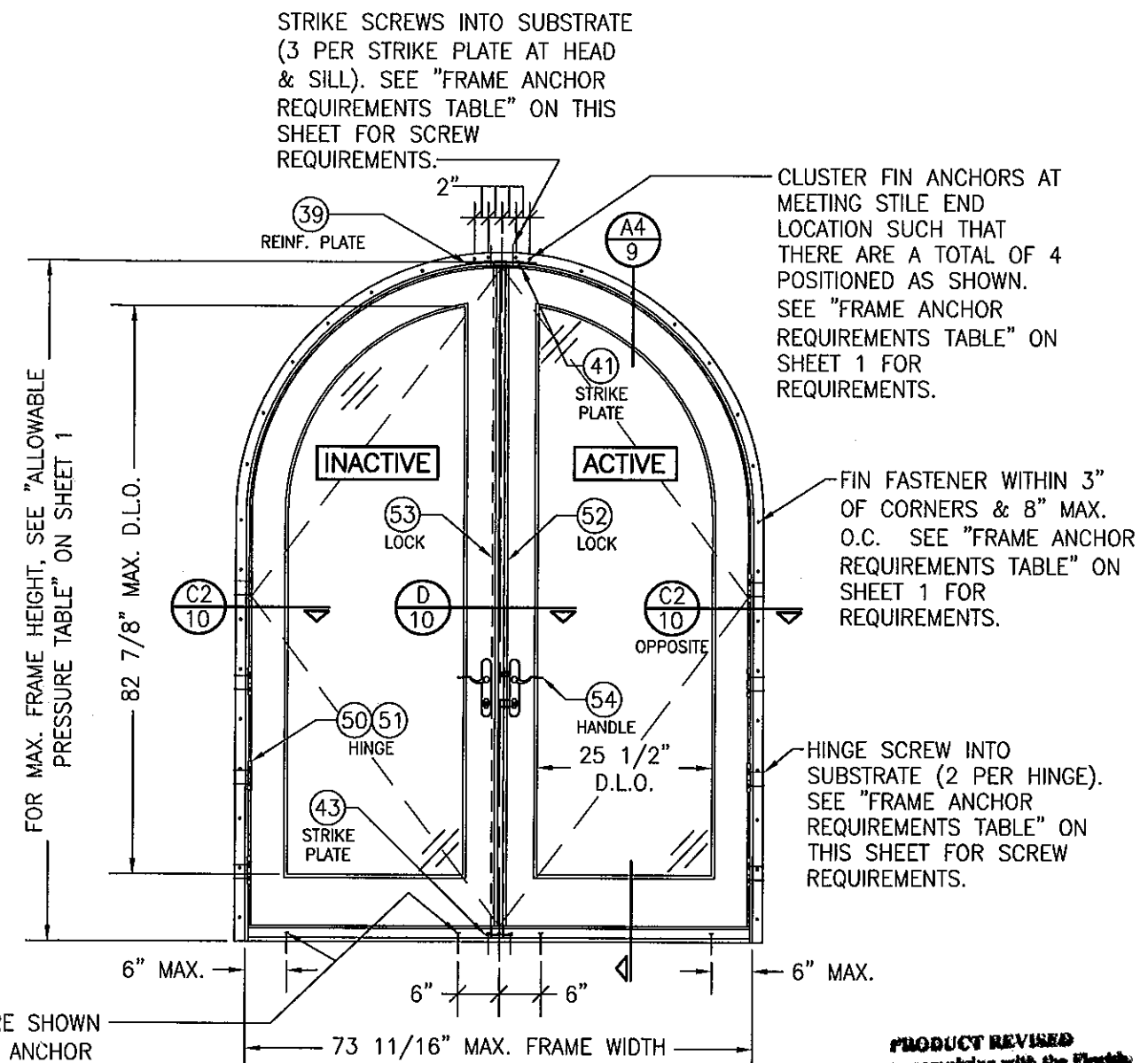
DRAWING TITLE	1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
MANUFACTURER	WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
	7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424

DRAWING NO.	1568	REV.	A
SHEET NO.	2	OF	15



**EXTERIOR ELEVATION:
DOUBLE HALF ROUND DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)



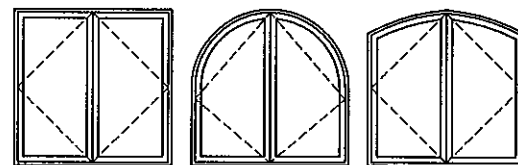
**EXTERIOR ELEVATION:
DOUBLE HALF ROUND DOOR**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE

SEE PRESSURE TABLE ON SHEET 1

**APPROVED SHAPES
DOUBLE DOORS**

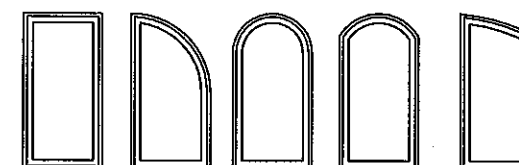


ANCHOR NOTE: RECTANGULAR & HALF ROUND DOORS SHALL BE ANCHORED PER ELEVATIONS. EYEBROW TOP DOORS SHALL HAVE ANCHORS AT THE HEAD EQUIVALENT TO THE HALF ROUND WHEN FRAME SCREW MOUNTED (SPACED 16" MAX. O.C. ALONG THE RADIUS).

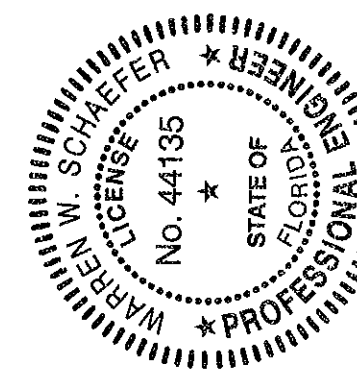
**APPROVED SHAPES
SINGLE DOORS**

RECTANGULAR ONLY APPLIES

**APPROVED SHAPES
SINGLE FIXED PANEL DOORS**

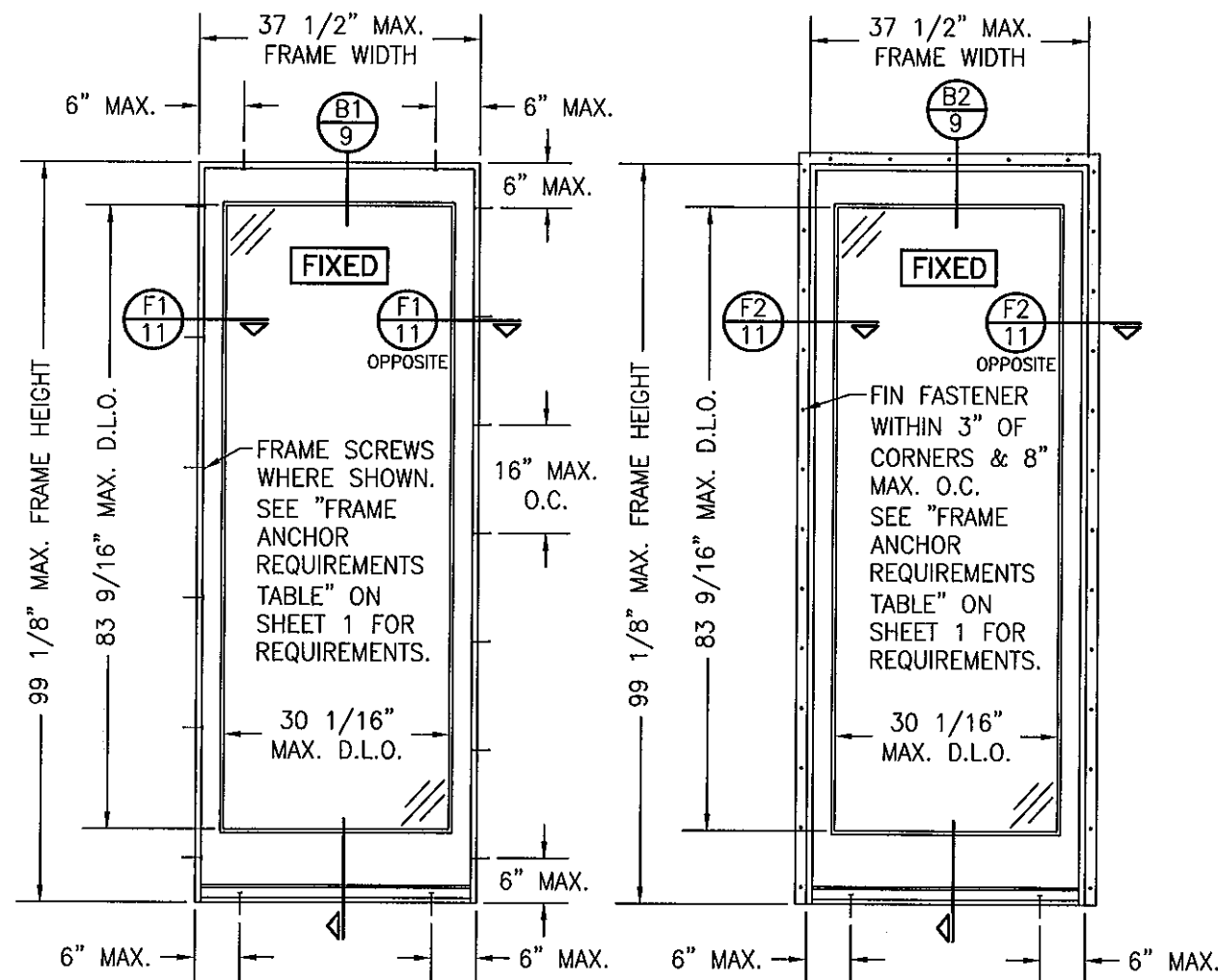


ANCHOR NOTE: SHAPED DOORS SHALL BE ANCHORED AS DETAILED WITH THE RECTANGULAR DOOR ELEVATIONS ON SHEET 4 EXCEPT THAT WHEN FRAME SCREW MOUNTED, THE SHAPED HEADS SHALL HAVE SCREWS PLACED WITHIN 6" OF CORNERS/SPRINGLINE & SPACED 16" MAX. O.C. AROUND THE RADIUS.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1108-12
Expiration Date 3/1/15
By: [Signature]
Miami Door Product Control

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/30/09	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1568 SHEET NO. 3 OF 15	



**EXTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

**EXTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE (SINGLE FIXED PANEL DOOR)
+65/-85 PSF

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS (4 SCREWS TOTAL WHEN REQ'D PRESSURE ON DOOR IS +/-60 PSF OR LESS; 6 TOTAL WHEN REQ'D PRESSURE IS GREATER THAN +/-60 PSF). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

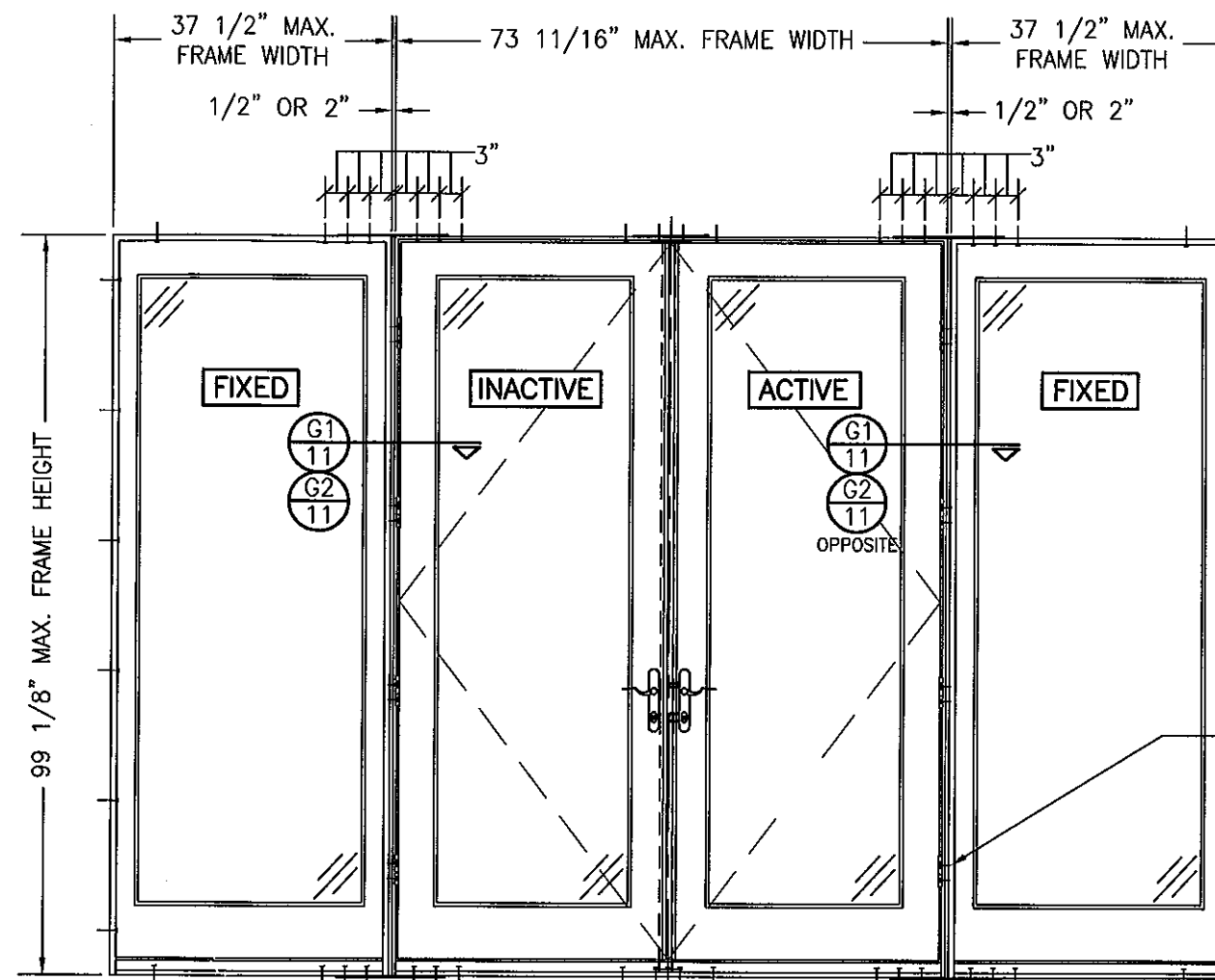
**EXTERIOR ELEVATION:
DOUBLE DOORS WITH FIXED PANELS**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)
(RECTANGULAR DOORS SHOWN, EYEBROW TOP CONDITION ALSO APPLIES)

ALLOWABLE DESIGN PRESSURE (SIDE BY SIDE UNITS)
+65/-75 PSF

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. OXXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
4. INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATIONS.

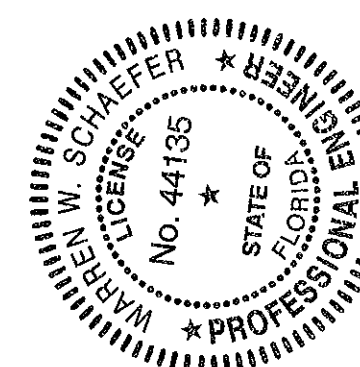


SEE SINGLE UNIT ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT

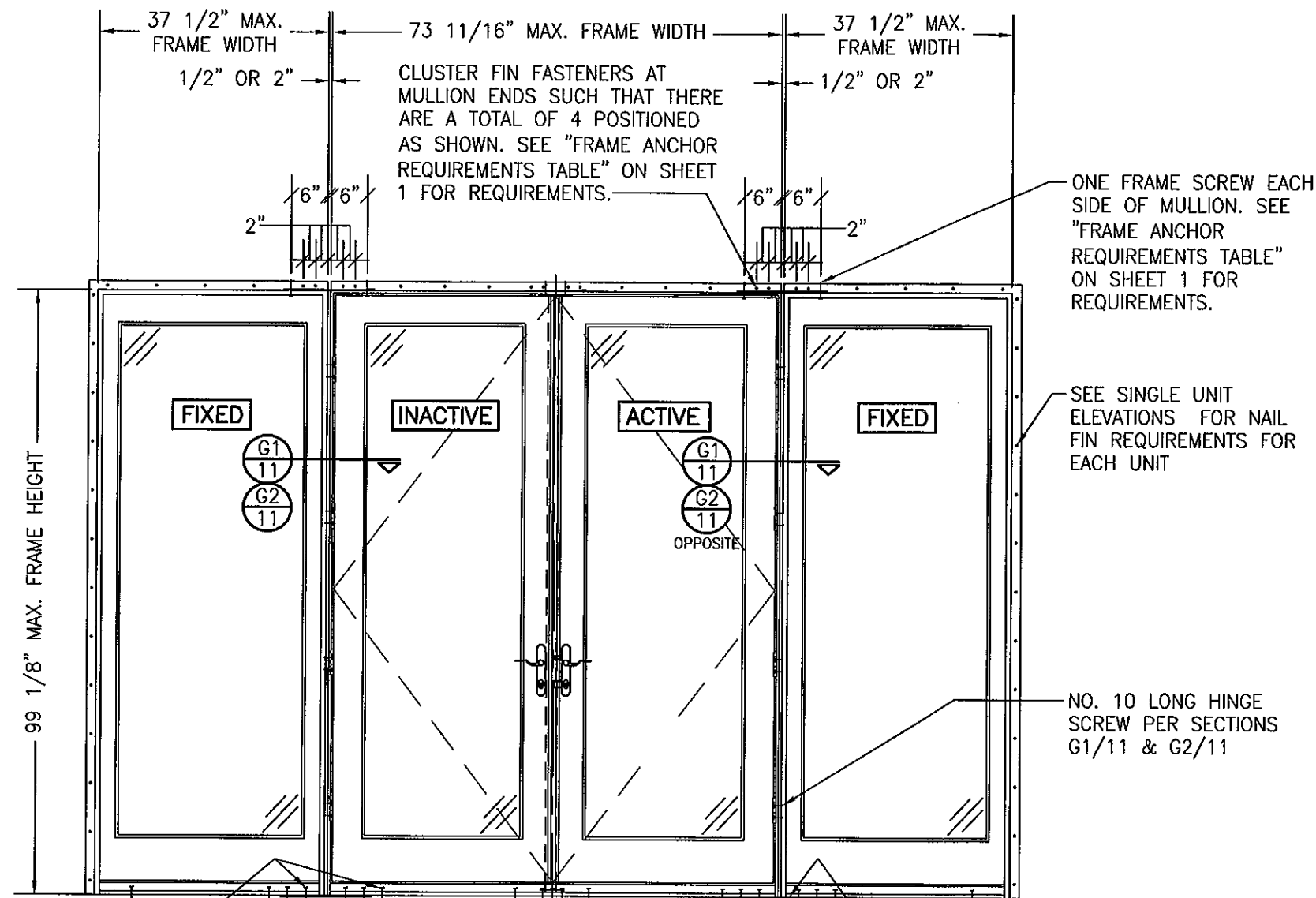
NO. 10 LONG HINGE SCREW PER SECTIONS G1/11 & G2/11

0.05" X 4" X 15" 50 KSI GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH FRAME/SILL MEMBER WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1108-12
Expiration Date 3/10/15
by *Isang J. Chang*
Isang J. Chang Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 04/30/09
DATE	BY
REVISION DESCRIPTION	NO.
1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1568	REV. A
SHEET NO. 4 OF 15	



ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS (4 SCREWS TOTAL WHEN REQ'D PRESSURE ON DOOR IS +/-60 PSF OR LESS; 6 TOTAL WHEN REQ'D PRESSURE IS GREATER THAN +/-60 PSF). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

**EXTERIOR ELEVATION:
DOUBLE DOORS WITH FIXED PANELS**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(RECTANGULAR DOORS SHOWN, EYEBROW TOP CONDITION ALSO APPLIES)

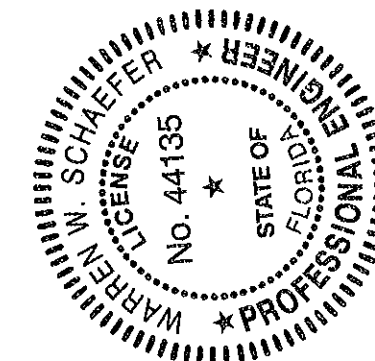
ALLOWABLE DESIGN PRESSURE (SIDE BY SIDE UNITS)
+65/-75 PSF

0.05" X 4" X 15" 50 KSI GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH FRAME/SILL MEMBER WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. OXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
4. INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATIONS.

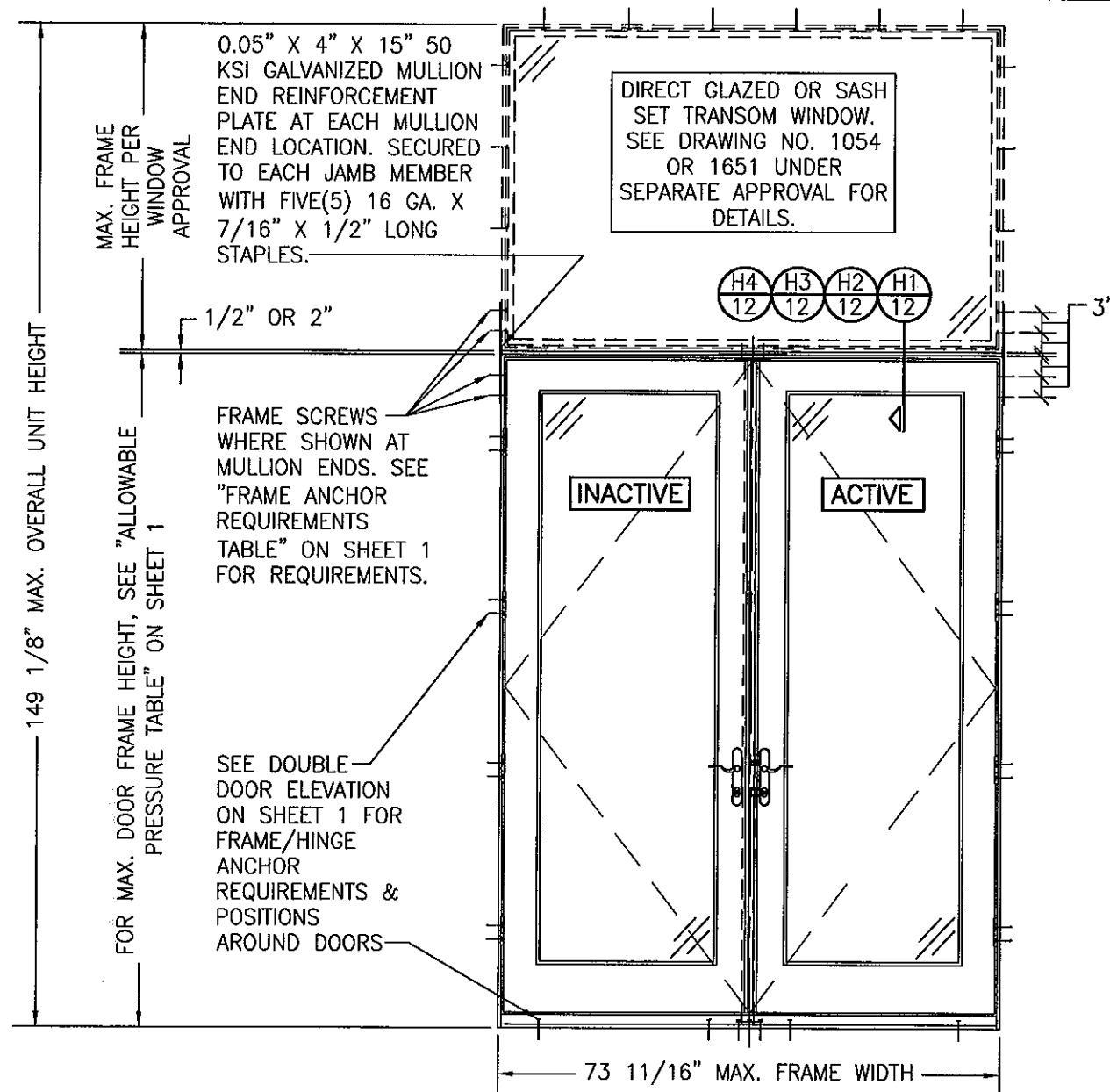
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 11-1108.12
Expiration Date 03/10/2015
By: [Signature]
Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 04/30/09
NO.	DATE
BY	BY
REVISION DESCRIPTION	REVISION DESCRIPTION

DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	

CERTIFICATION NOV 2 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1568 SHEET NO. 5 OF 15
	REV. A



**EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM**

SCALE: 1/2" = 1'-0"

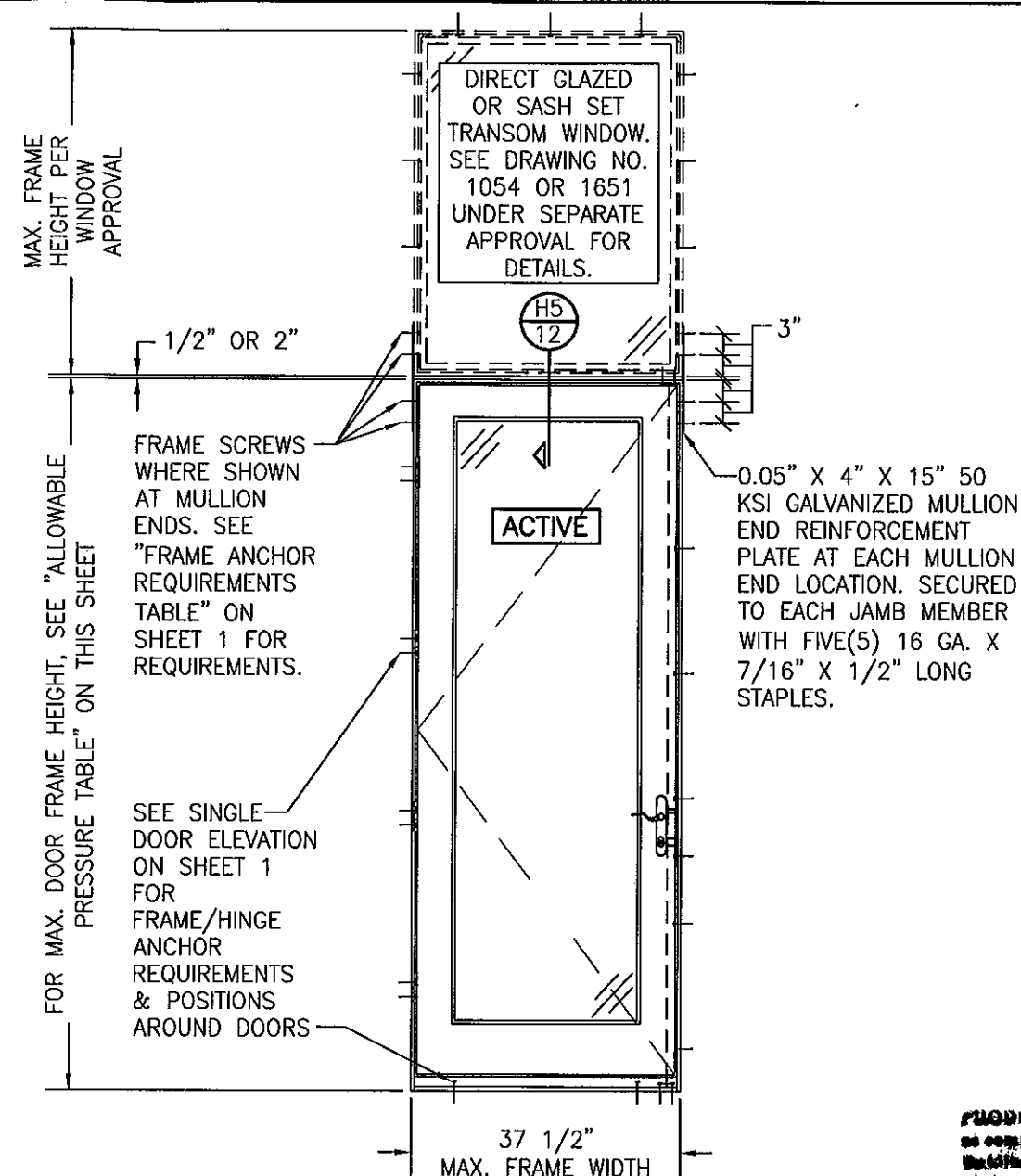
(FRAME SCREW MOUNT CONDITION)

(SEE DOUBLE RECTANGULAR DOOR ELEVATIONS ON SHEET 1 FOR DOOR DETAIL NOT SHOWN)

**ALLOWABLE DESIGN PRESSURE
(DOUBLE DOOR WITH TRANSOM UNIT)**

MAX. FRAME WIDTH (IN.)	MAX. OVERALL UNIT HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
73 11/16	149 1/8	65	75
73 11/16	130 1/4	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.



**EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM**

SCALE: 1/2" = 1'-0"

(FRAME SCREW MOUNT CONDITION)

(SEE SINGLE RECTANGULAR DOOR ELEVATIONS ON SHEETS 1 & 4 FOR DOOR DETAIL NOT SHOWN)

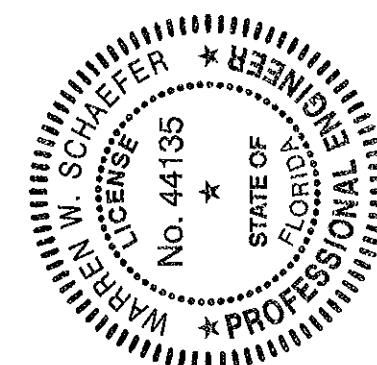
(OPERABLE DOOR SHOWN. FIXED PANEL DOOR ALSO APPLIES)

**ALLOWABLE DESIGN PRESSURE
(SINGLE DOOR WITH TRANSOM UNIT)**

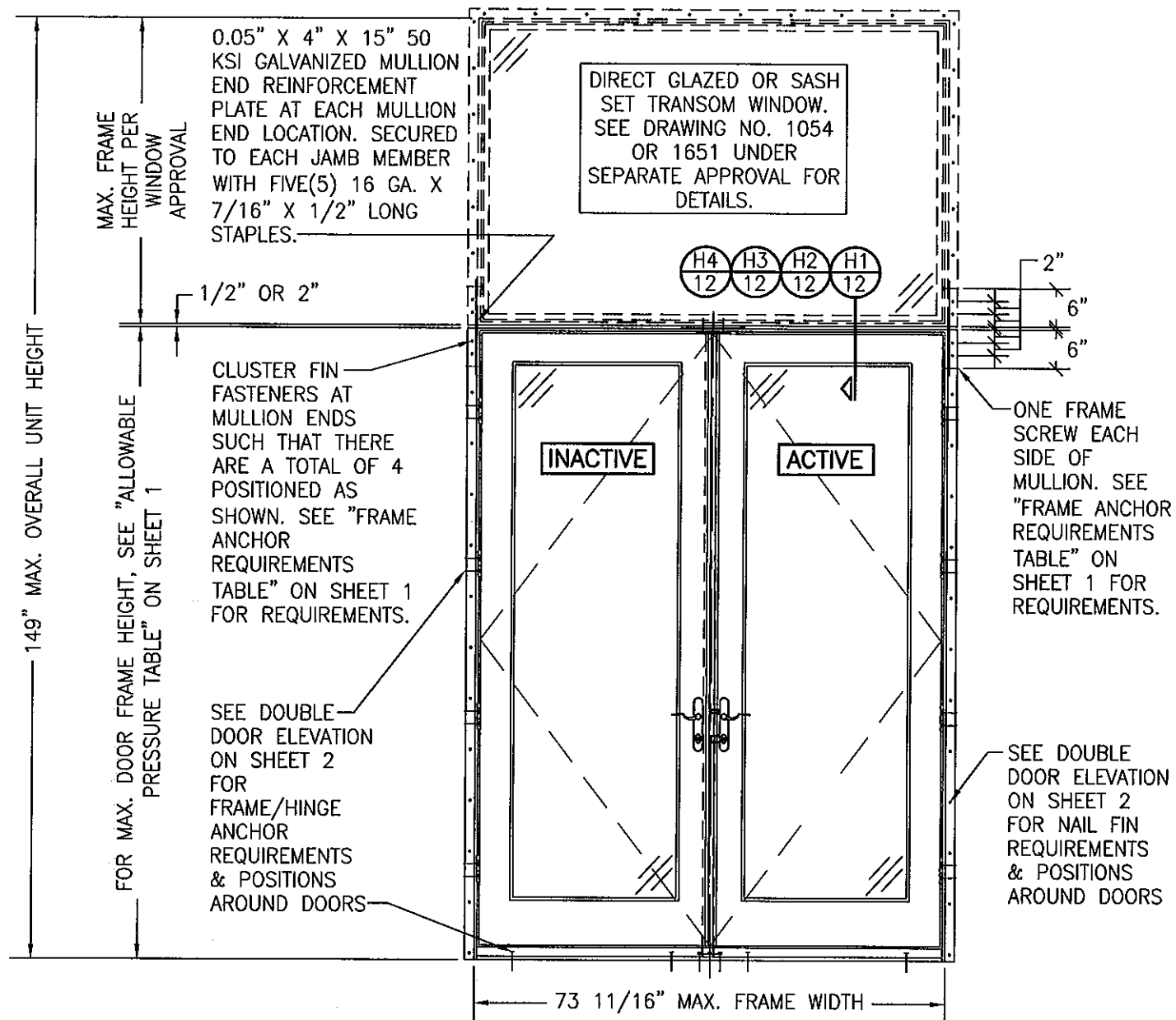
MAX. FRAME WIDTH (IN.)	MAX. DOOR FRAME HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
37 1/2	99 1/8	65	75
37 1/2	82	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.

PRODUCT REVISED
to comply with the Florida
Building Code
Amendment No. 11-1108.12
Expiration Date 3/1/15
By: *Isaac J. Uggale*
Isaac J. Uggale, P.E.
Isaac J. Uggale, P.E.



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/30/09	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1568 SHEET NO. 6 OF 15	



**EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM**

SCALE: 1/2" = 1'-0"

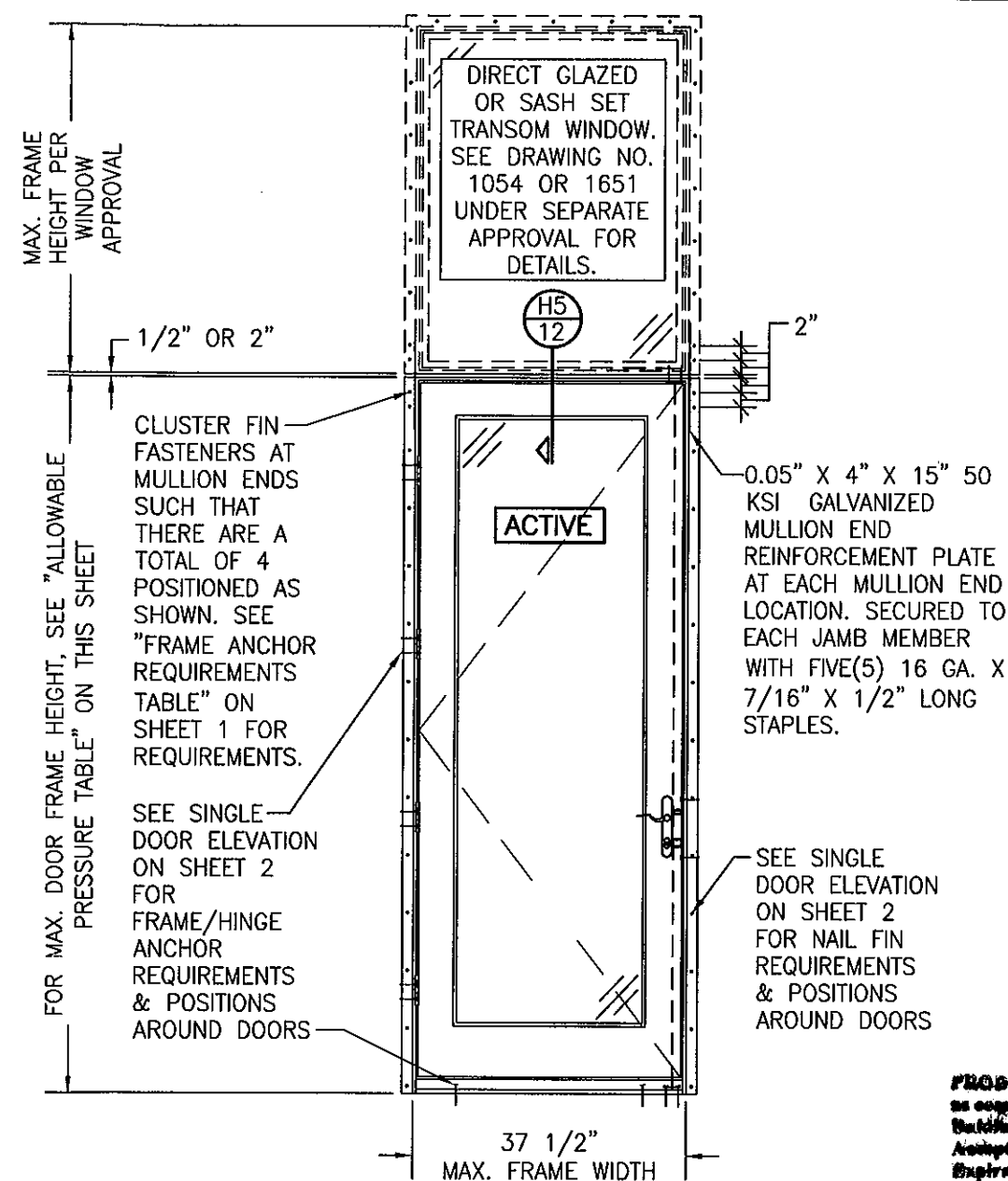
(NAIL FIN MOUNT CONDITION)

(SEE DOUBLE RECTANGULAR DOOR ELEVATIONS ON SHEET 2 FOR DOOR DETAIL NOT SHOWN)

**ALLOWABLE DESIGN PRESSURE
(DOUBLE DOOR WITH TRANSOM UNIT)**

MAX. FRAME WIDTH (IN.)	MAX. OVERALL UNIT HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
73 11/16	149 1/8	65	75
73 11/16	130 1/4	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.



**EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM**

SCALE: 1/2" = 1'-0"

(NAIL FIN MOUNT CONDITION)

(SEE SINGLE RECTANGULAR DOOR ELEVATIONS ON SHEET 2 FOR DOOR DETAIL NOT SHOWN)

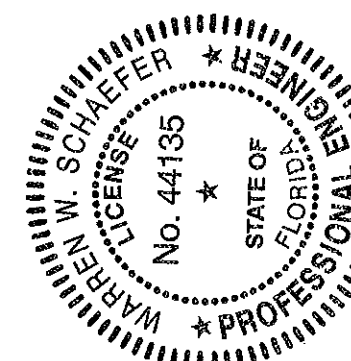
(OPERABLE DOOR SHOWN. FIXED PANEL DOOR ALSO APPLIES)

**ALLOWABLE DESIGN PRESSURE
(SINGLE DOOR WITH TRANSOM UNIT)**

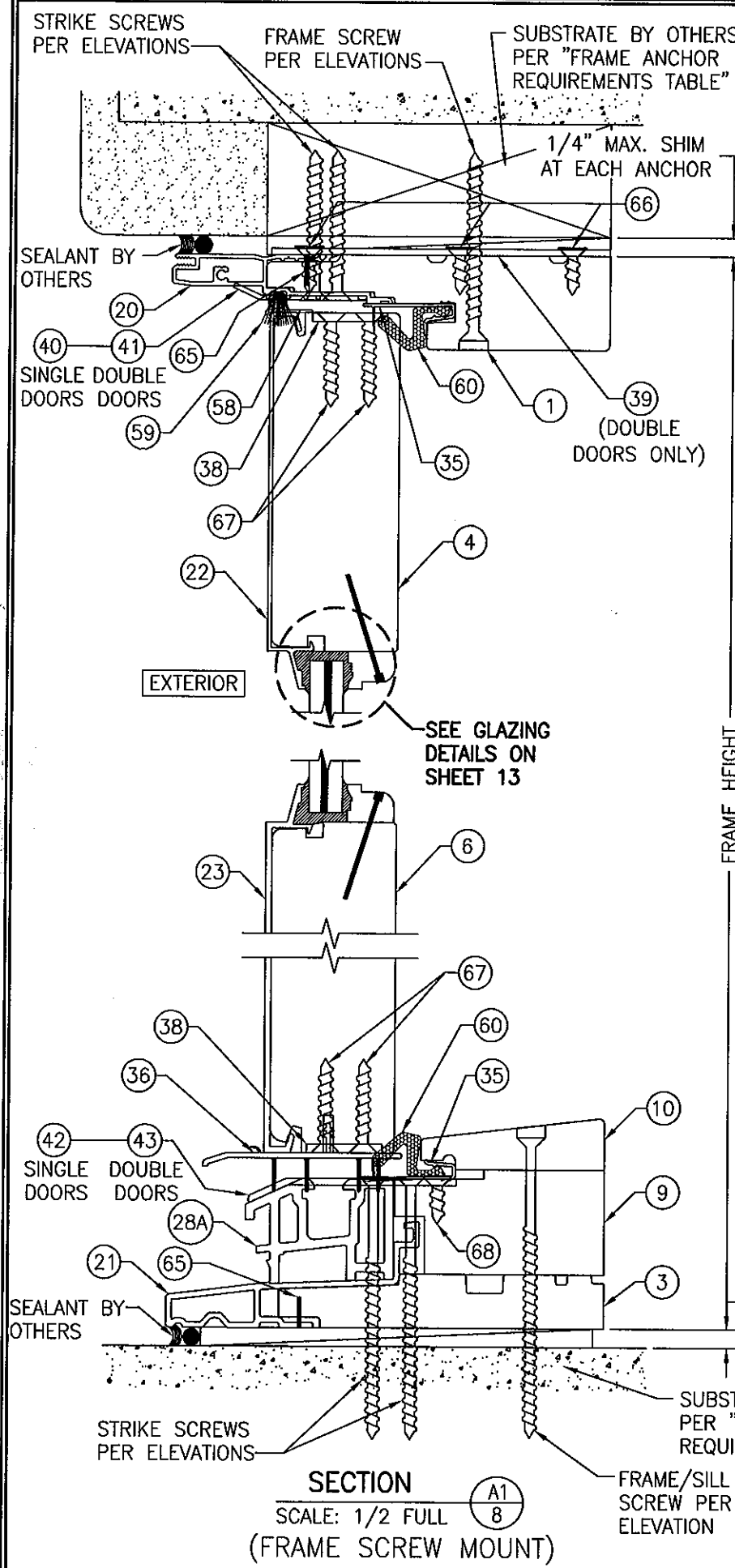
MAX. FRAME WIDTH (IN.)	MAX. DOOR FRAME HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
37 1/2	99 1/8	65	75
37 1/2	82	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.

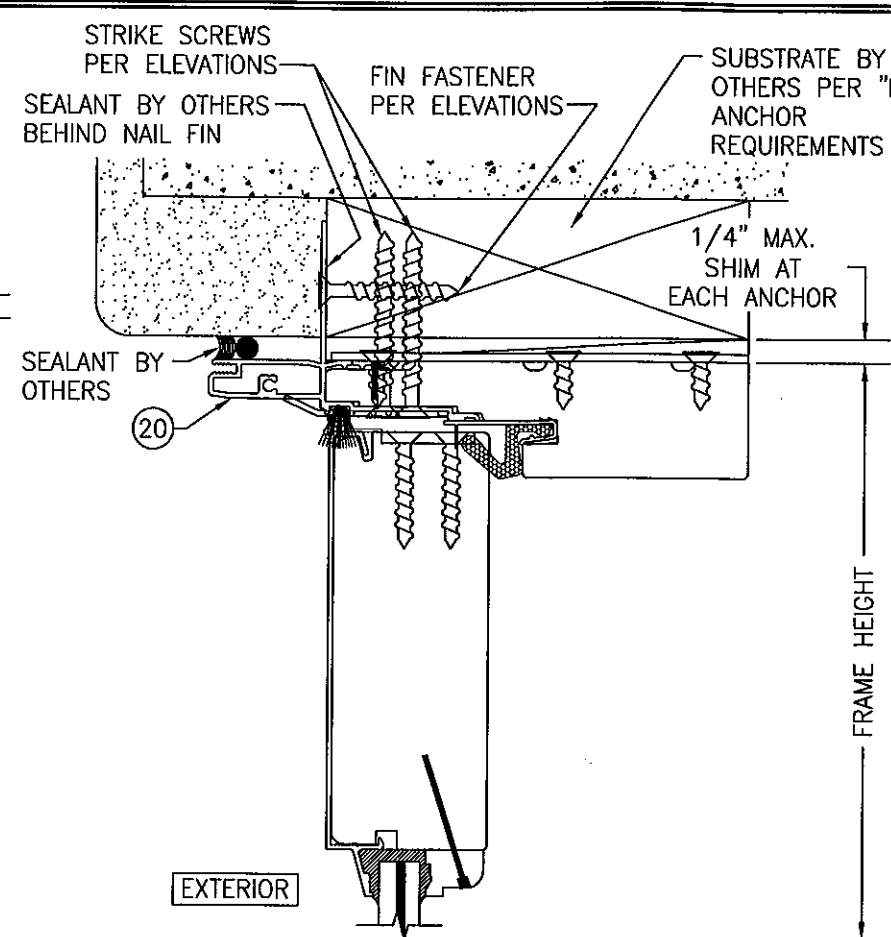
PRODUCT REVISED
as complying with the Florida
Building Code
Amendment No. 11-1108.12
Expiration Date 3/16/15
By: *Shaggy L. Hank*
Miami Dade Product Control



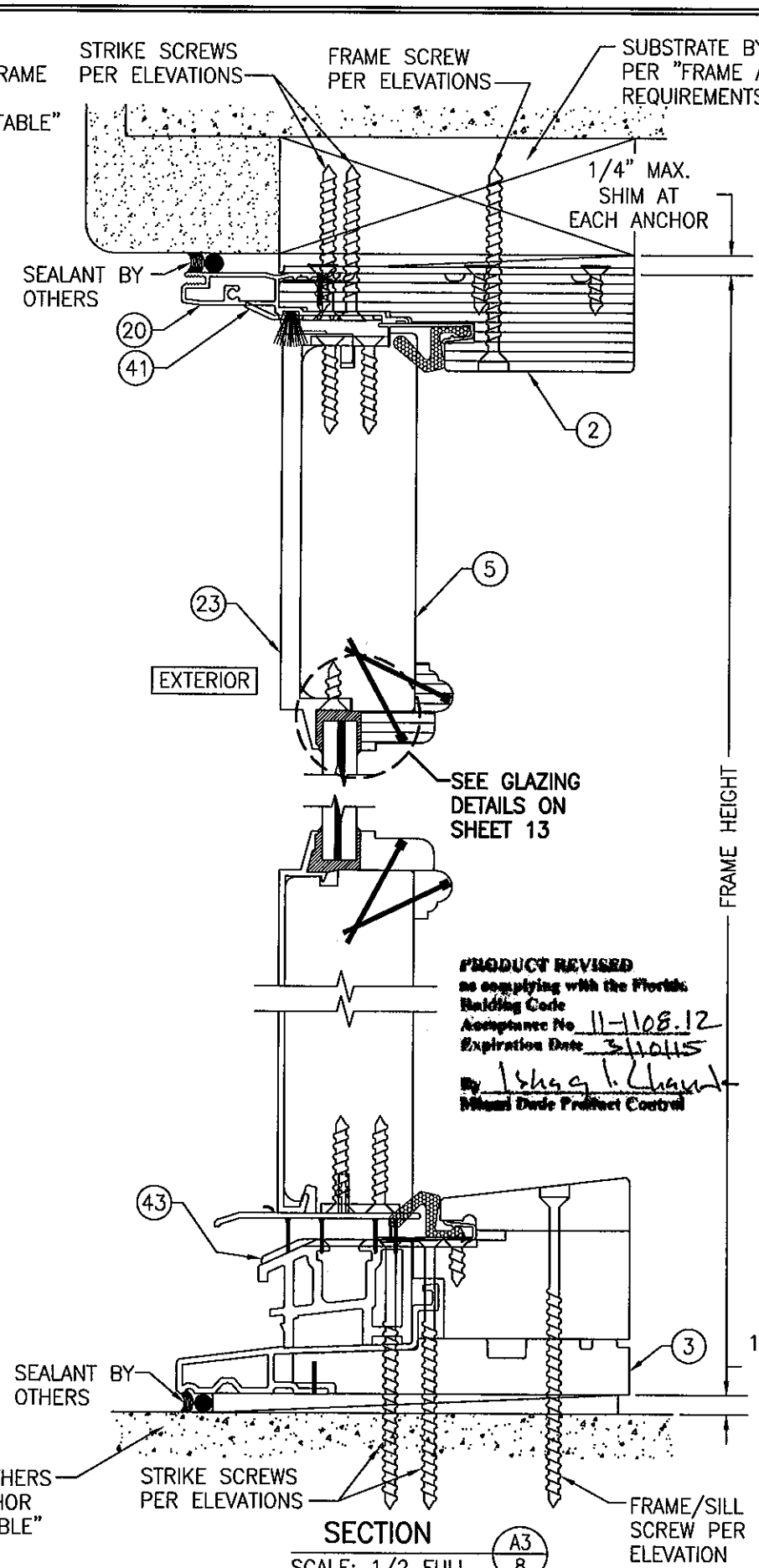
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/30/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44135	
DRAWING NO. 1568		REV. A	
SHEET NO. 7		OF 15	



SECTION A1
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)



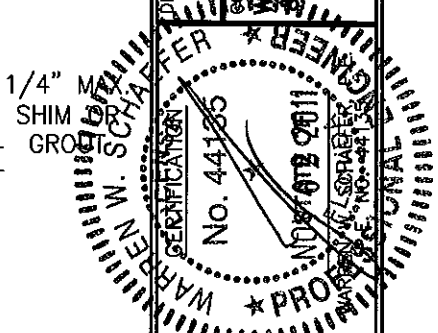
SECTION A2
SCALE: 1/2 FULL
(NAIL FIN MOUNT)
(FOR DETAIL & SILL SECTION NOT SHOWN, SEE SECTION A1/8)



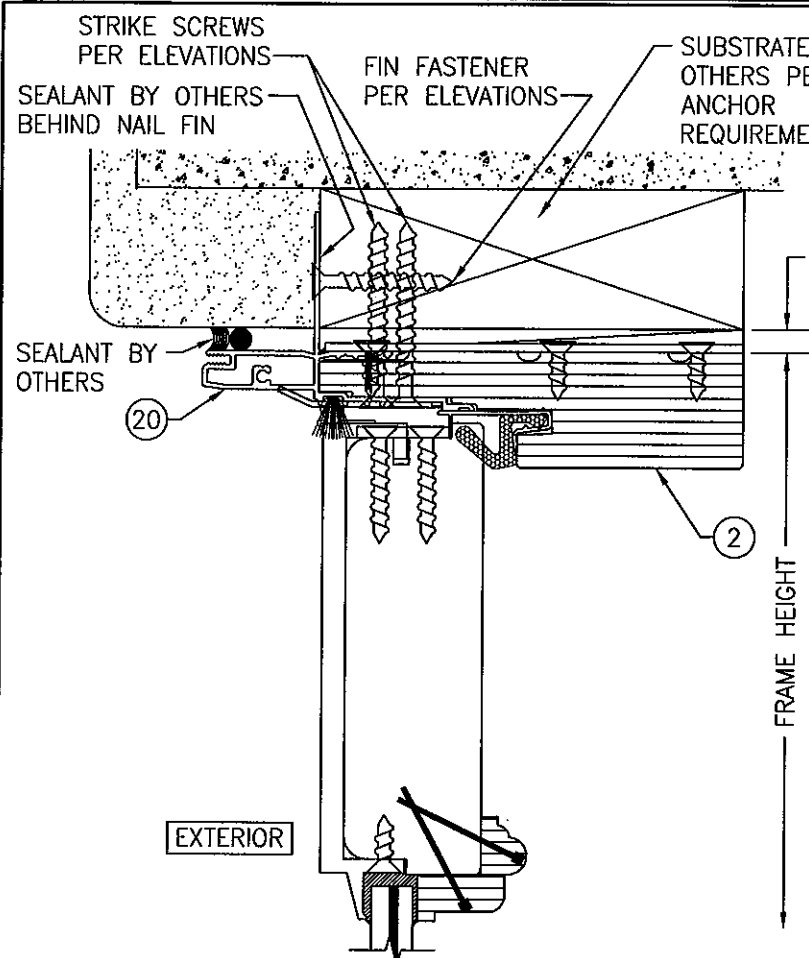
SECTION A3
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/8)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1108.12
Expiration Date 3/11/15
By *Shay L. Chan*
Miami Dade Product Control

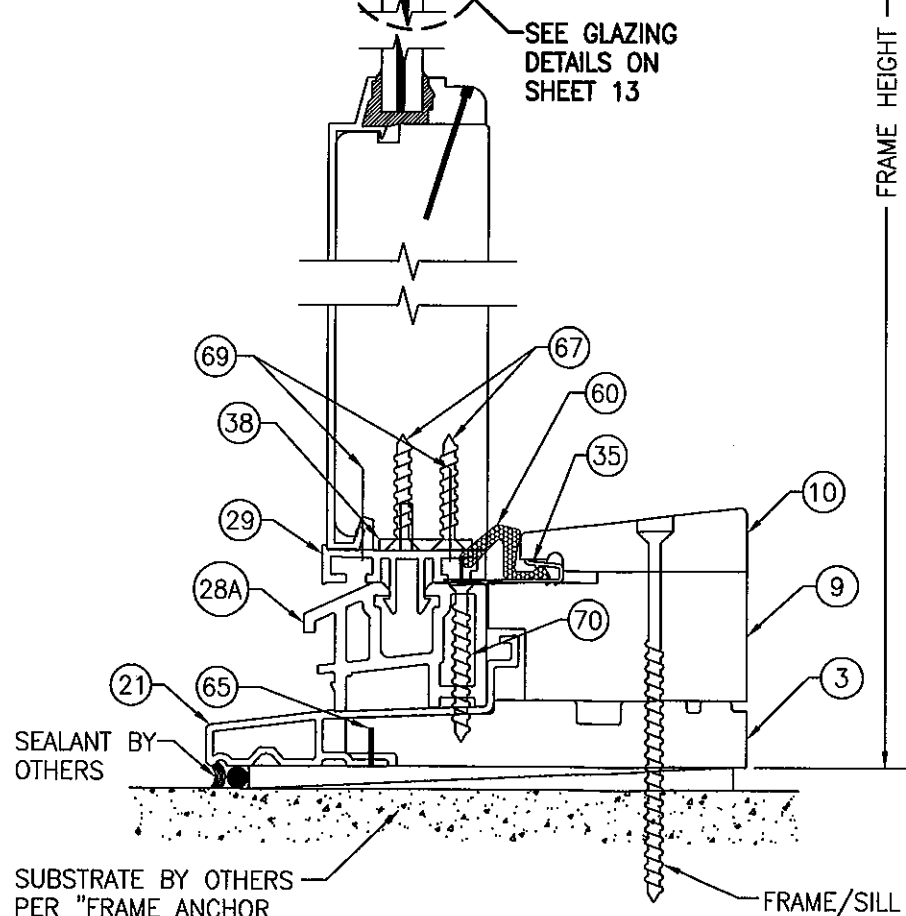
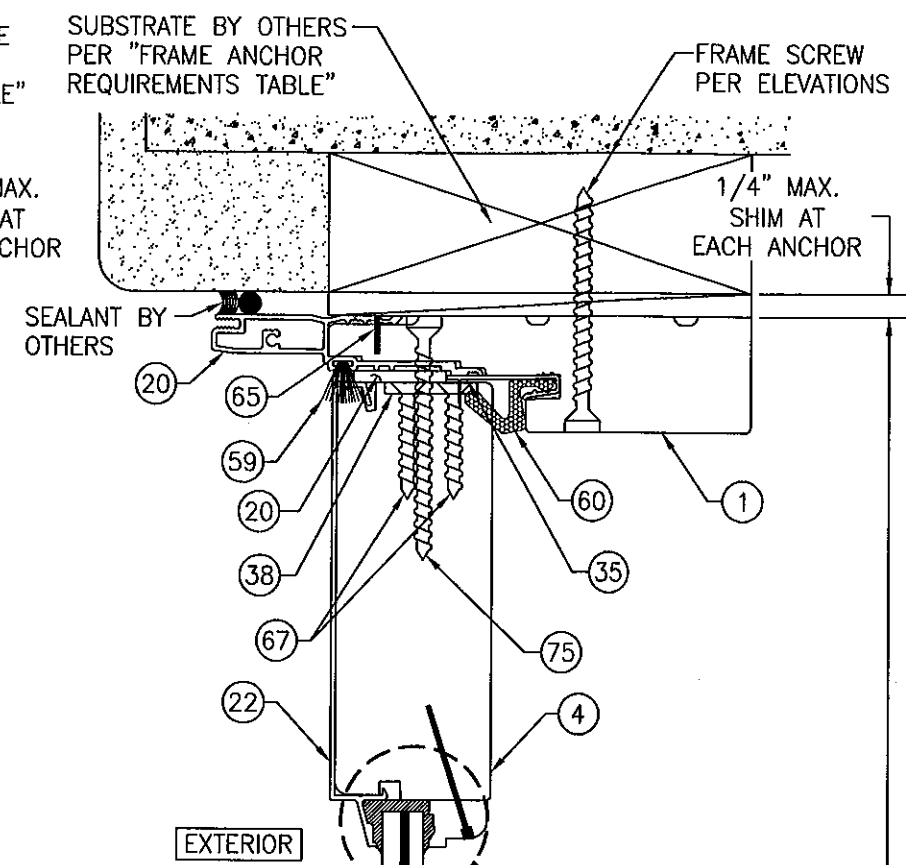
NOV 02 2011



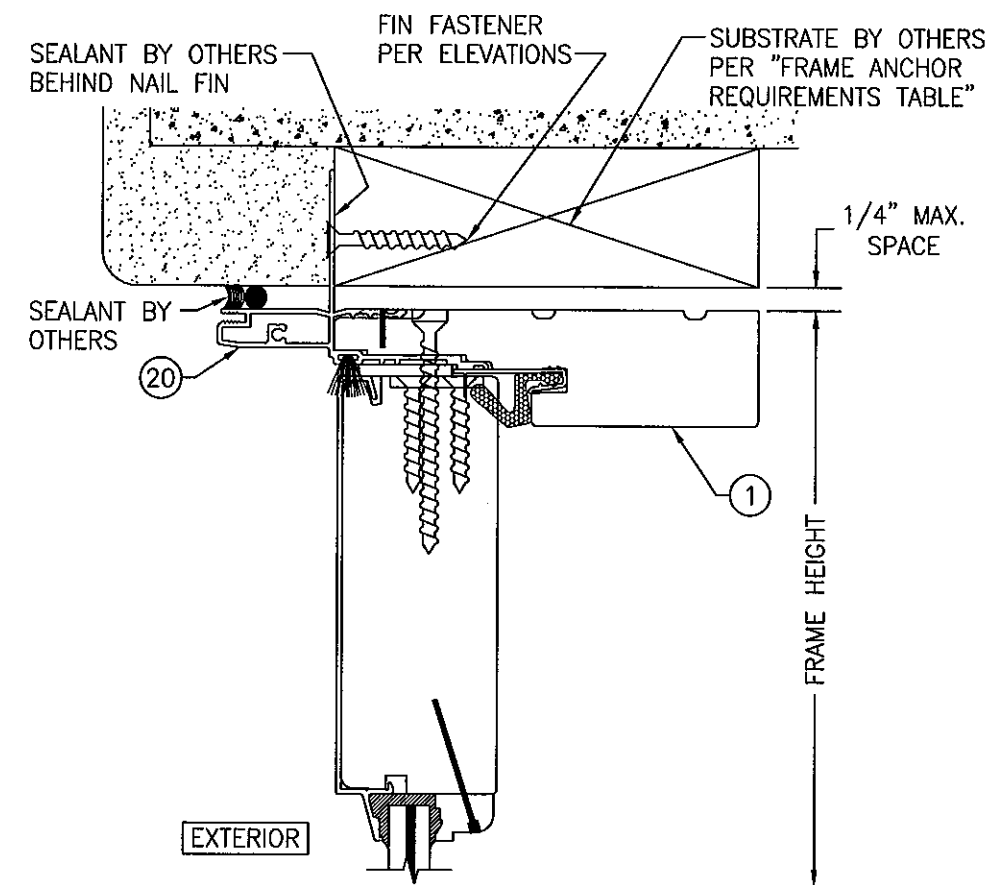
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.		
PLOT: 1=2		DATE: 04/30/09		
NO.	REVISION	DESCRIPTION	BY	DATE
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR				
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555				
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424				
<div><div><div>CERTIFICATION</div><div>No. 44135</div><div>NO. 44135</div><div>DATE 04/30/09</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. 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SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><div>W. SCHAEFER ENGINEERING & CONSULTING, P.A.</div><</div></div>				



SECTION A4
 SCALE: 1/2 FULL
 (NAIL FIN MOUNT)
 (FOR DETAIL & SILL SECTION NOT SHOWN, SEE SECTION A3/8)

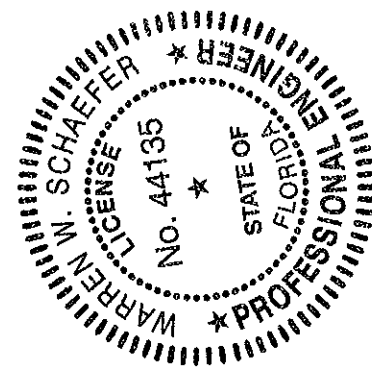


SECTION B1
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 (FRAME SCREW MOUNT)

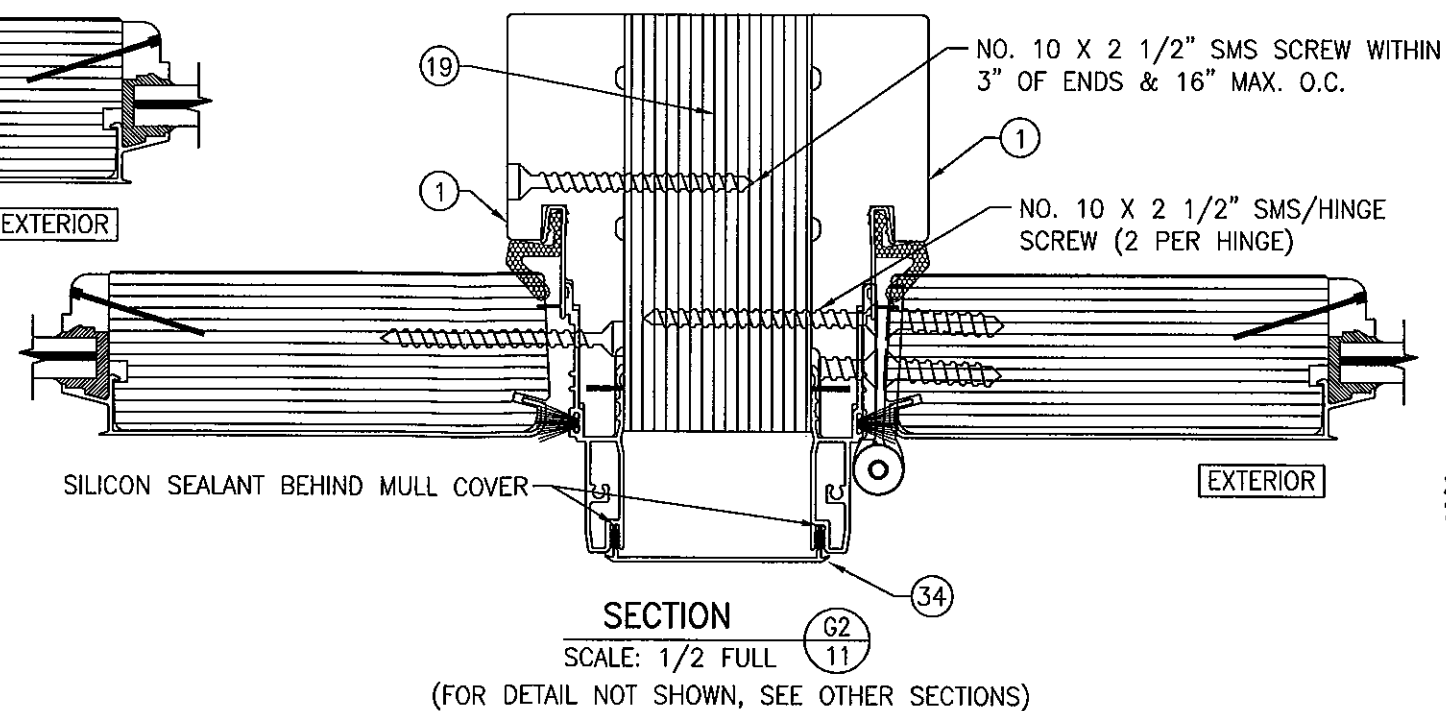
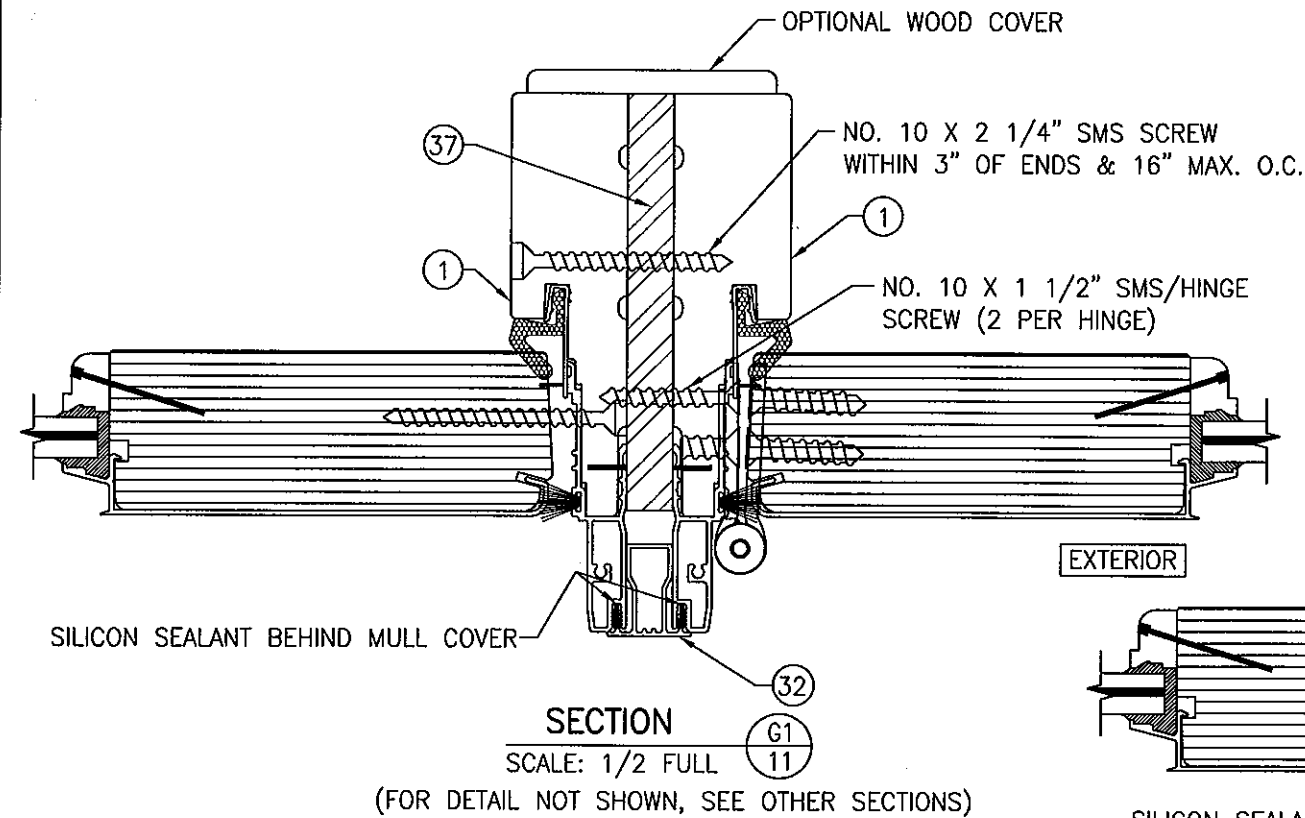
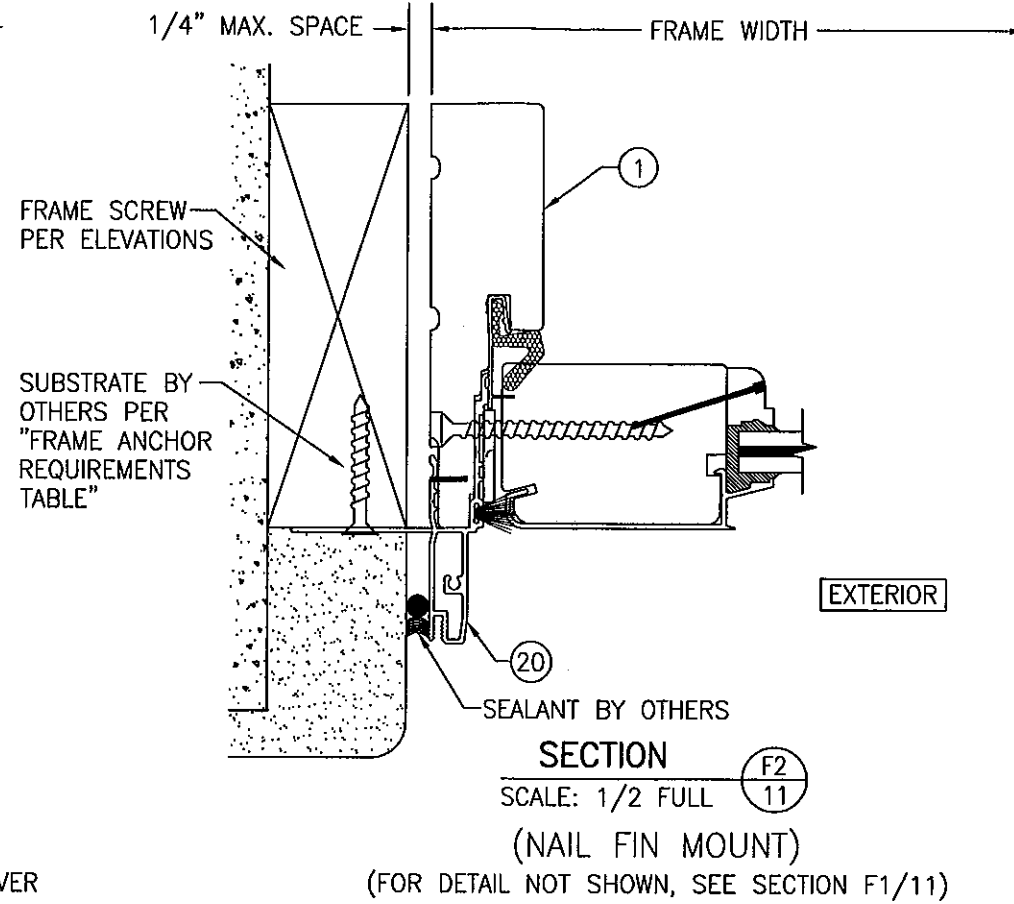
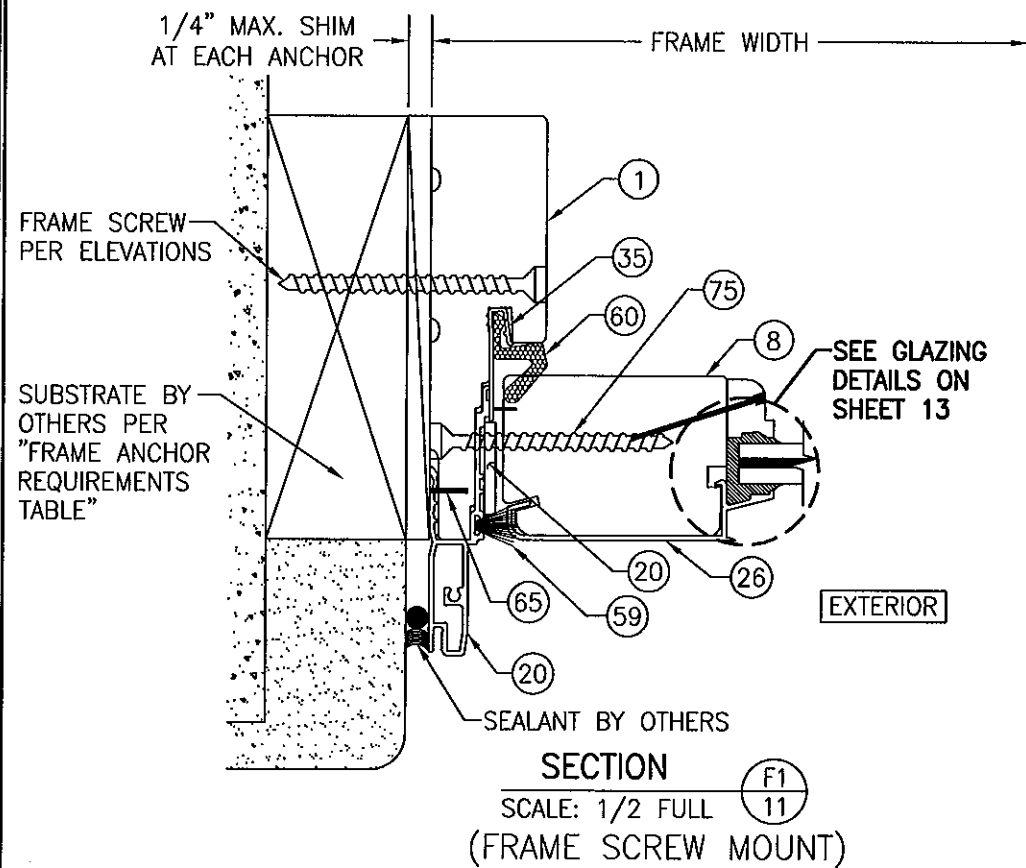


SECTION B2
 SCALE: 1/2 FULL
 (NAIL FIN MOUNT)
 (FOR DETAIL & SILL SECTION NOT SHOWN, SEE SECTION B1/9)

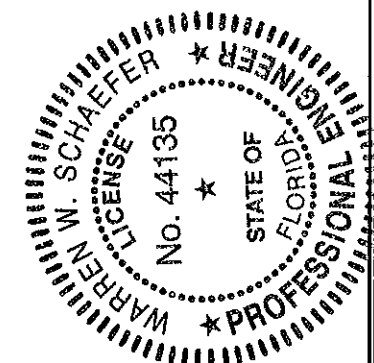
PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 11-1106-12
 Expiration Date 2/16/15
 by *W. Schaefer*
 Licensed State Product Control



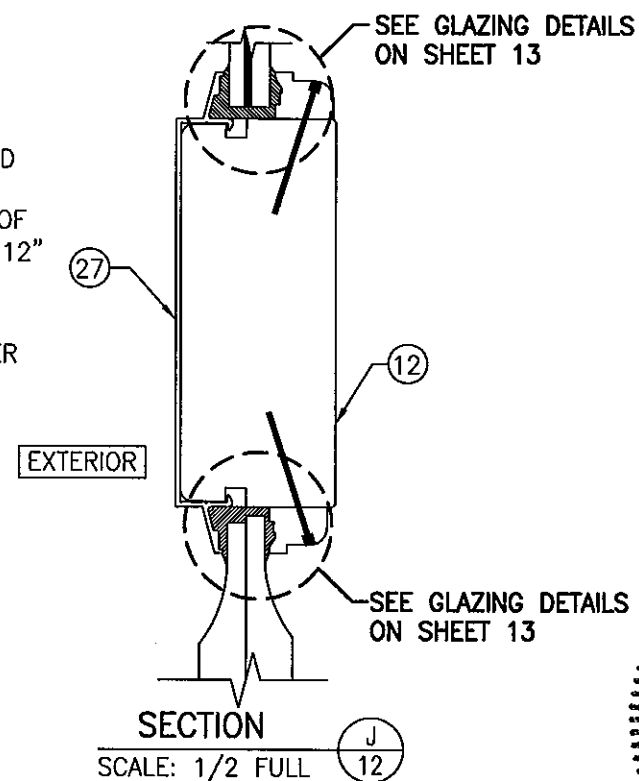
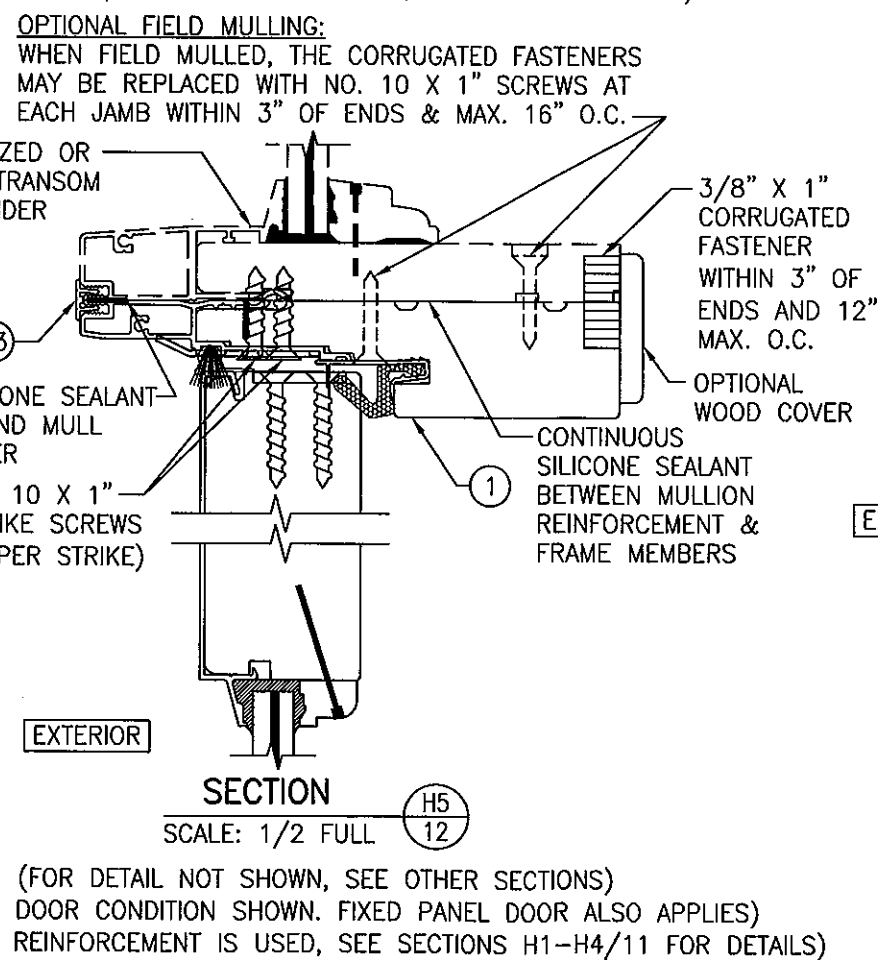
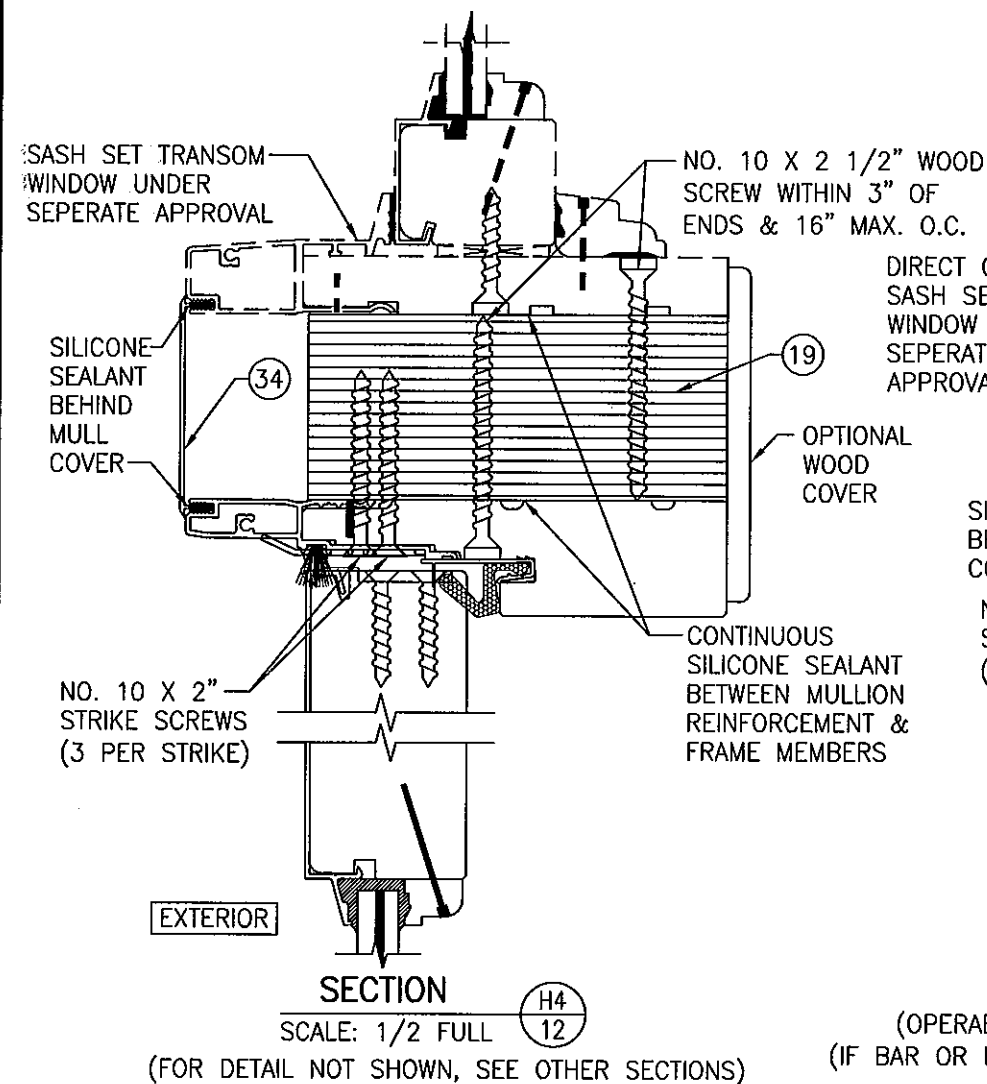
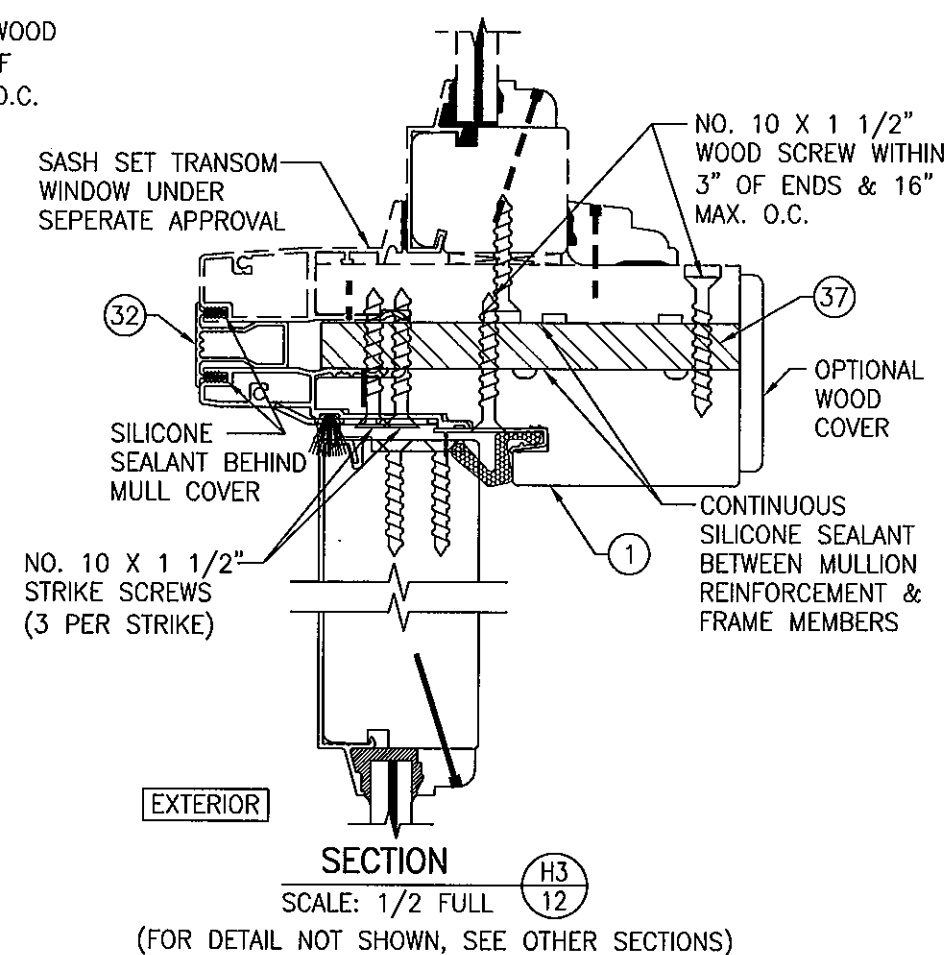
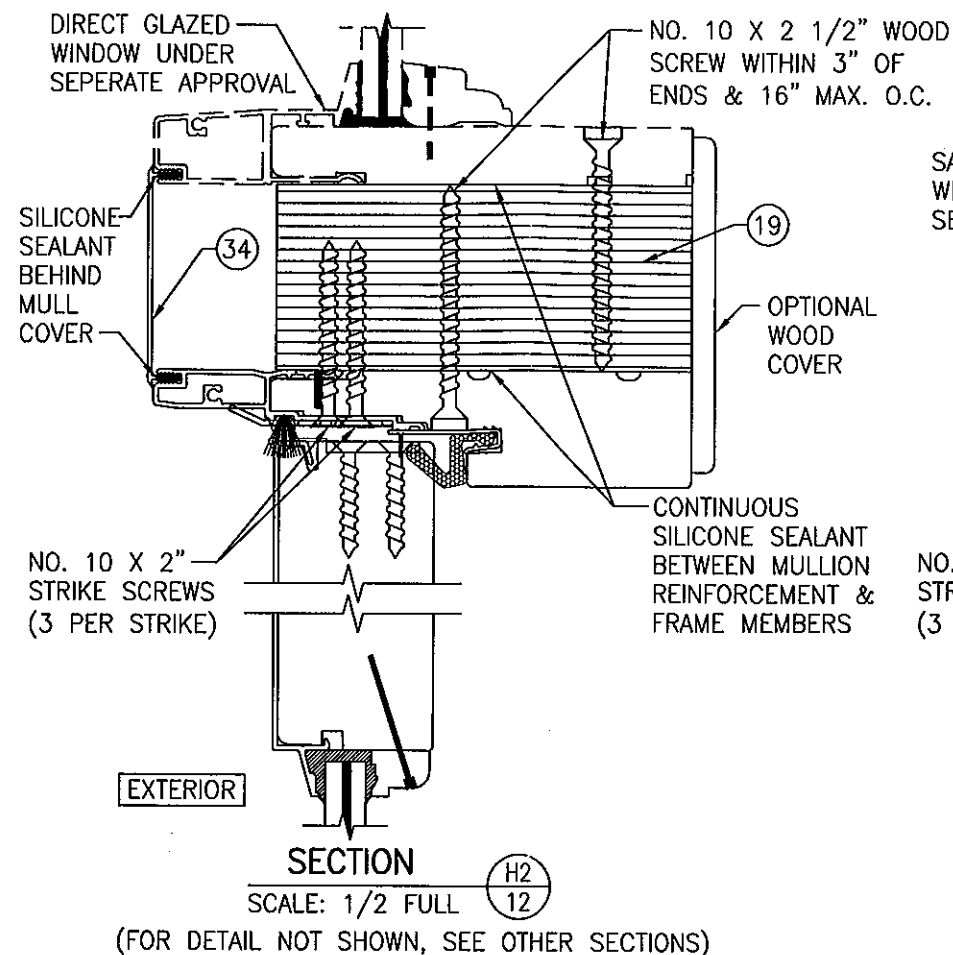
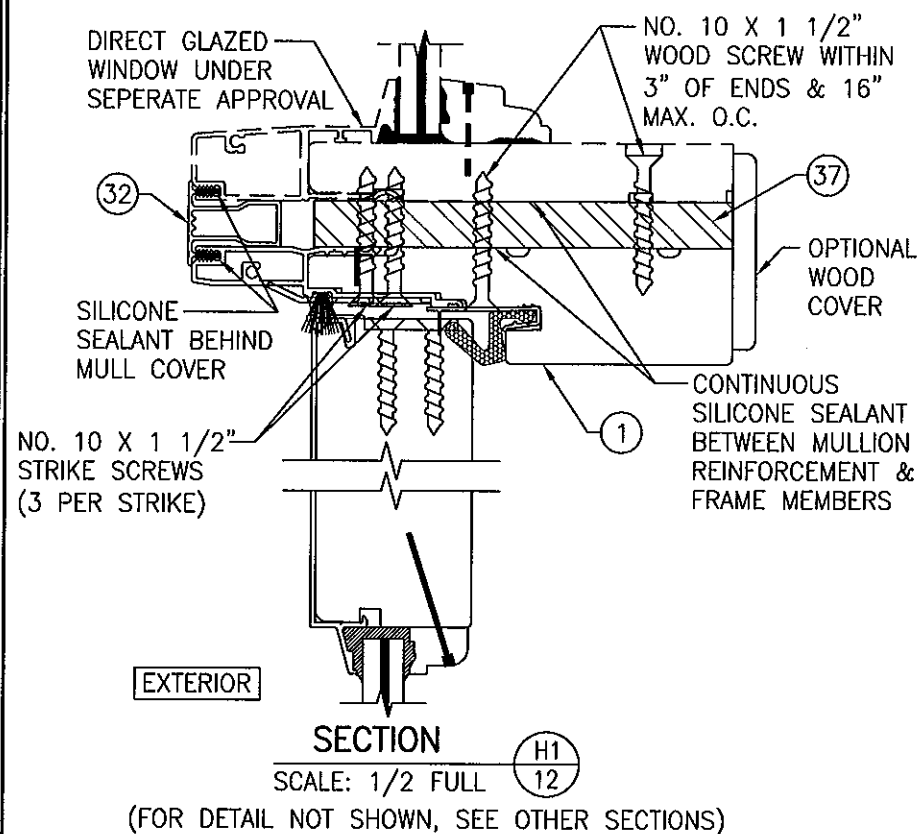
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/30/09	
DATE			
BY			
REVISION DESCRIPTION			
NO.			
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS	MANUFACTURER		
	WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555		
CONSULTANTS	ENGINEERING		
	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		
CERTIFICATION	NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO.	1568	REV.	A
SHEET NO.	9	OF	15



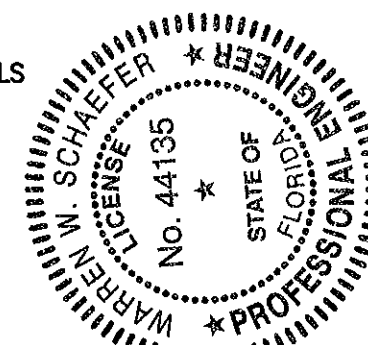
PRODUCT REVISED
to comply with the Florida
Building Code
Adaptation No. 11-1108.12
Expiration Date 3/11/15
By Shing J. Chang
Edward DeDe Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 04/30/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1568	REV. A
SHEET NO. 11 OF 15	

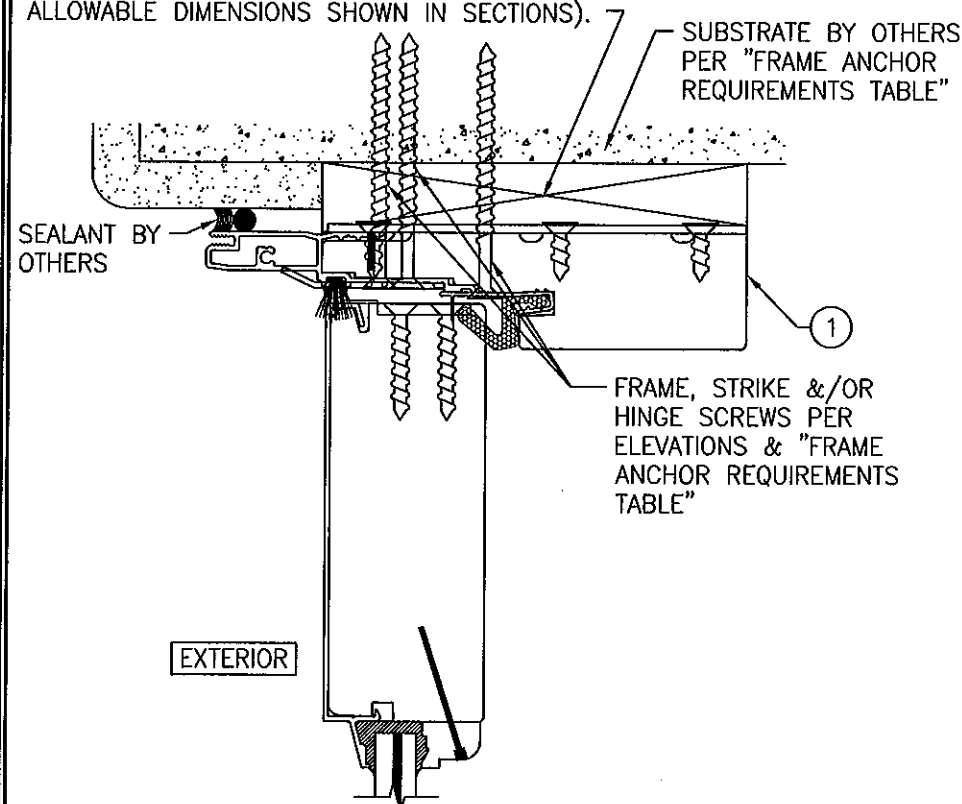


PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 11-1106.12
Expiration Date 3/10/15
By: [Signature]
Manufactured Under Product Control



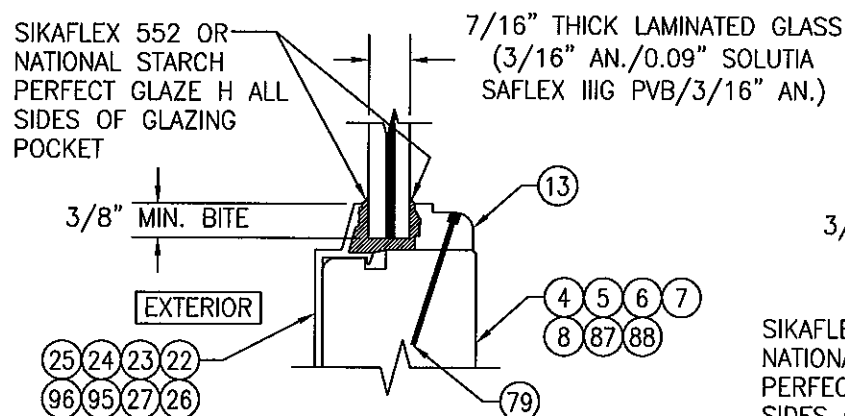
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 04/30/09
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.
1568	A
SHEET NO.	12 OF 15

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 4 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).

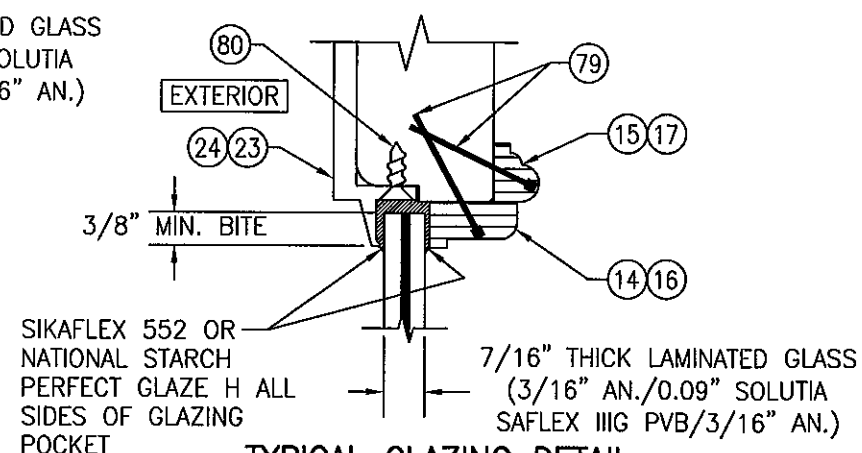


**OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER**

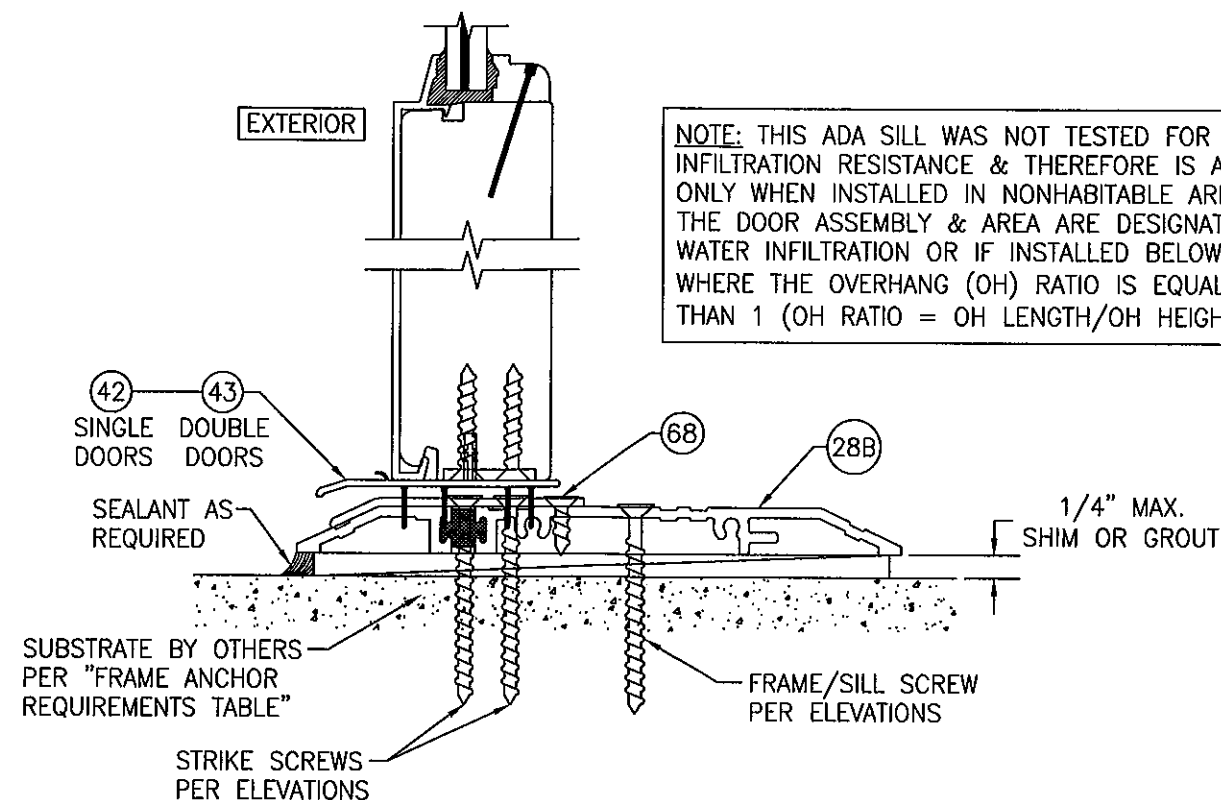
(HEAD SECTION SHOWN. SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



**TYPICAL GLAZING DETAIL
(RECTANGULAR & EYBROW
CONDITIONS)**



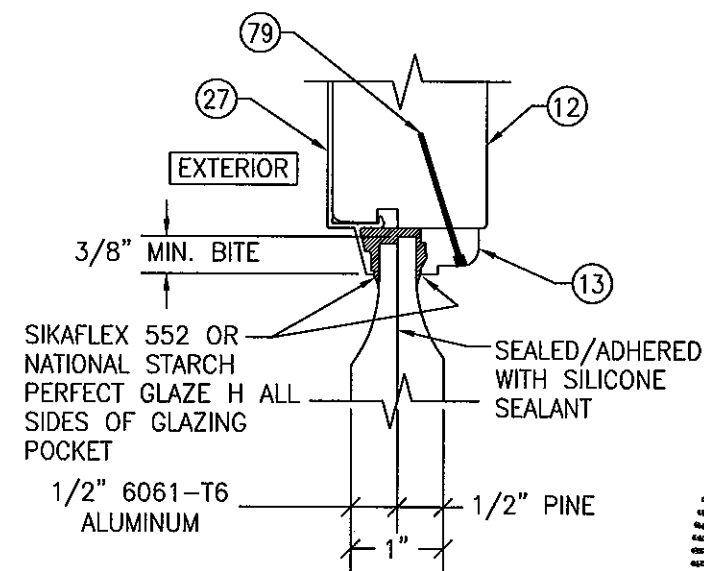
**TYPICAL GLAZING DETAIL
(ROUND TOP CONDITION)**



OPTIONAL ADA SILL DETAIL

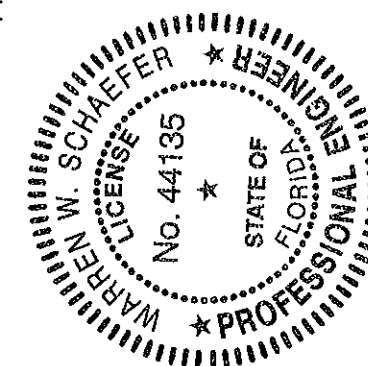
(APPLICABLE WITH ALL DOOR CONDITIONS)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)


NOTE: THIS ADA SILL WAS NOT TESTED FOR WATER INFILTRATION RESISTANCE & THEREFORE IS ACCEPTABLE ONLY WHEN INSTALLED IN NONHABITABLE AREAS WHERE THE DOOR ASSEMBLY & AREA ARE DESIGNATED TO ACCEPT WATER INFILTRATION OR IF INSTALLED BELOW AN OVERHANG WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 (OH RATIO = OH LENGTH/OH HEIGHT).



**TYPICAL RAISED PANEL
GLAZING DETAIL**

PRODUCT REVISED
to comply with the Florida
Building Code
Adopted No. 11-1108.12
Expiration Date 3/1/2015
By: [Signature]
Michael Dade/Frontier Control



DRAWING NO.	1568	REV.	A	SHEET NO.	13 OF 15	CERTIFICATION		WARREN W. SCHAEFER, P.E.	DRAWING TITLE	1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER	WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	NO.	REVISION DESCRIPTION	BY	DATE	DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
																			PLOT:	1=2	DATE:	04/30/09

